

PROGRAMME OUTCOMES

ARTS (UG)

- ★ Understand LSRW and apply knowledge of human communication and language processes.
- ★ Prepare culture and praise worthy as a citizen of India.
- ★ Examine employment / entrepreneurship opportunities.
- ★ Understand the fundamental values / principles of Indian consciousness.
- ★ Ability to use communication and soft skills effectively.

ARTS (PG)

- ★ Become knowledgeable in the subject of Business Administration and Apply the principles of the same to the needs of the Employer / own Business.
- ★ Gain analytical skills in the field of Retail Management. Understand and appreciate professional ethics, community living and Nation building initiatives.
- ★ Identify, formulate and analyse business management problems, reaching substantiated conclusions using principles of business management, retail management and social sciences.


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- ★ Create, select and apply appropriate methods, techniques and resource successful retail business operations.
- ★ Communicate effectively with the business community and society
Understand the need for rational decision making.
Develop desire for professional development and life-long learning.

COMMERCE(UG)

- ★ Become knowledgeable in the field of Commerce and apply the conceptual interpersonal managerial skills for decision making in a business enterprise.
- ★ Gain analytical skill in the areas of Accounting, Finance, Taxation and related Commerce courses.
- ★ Understand and appreciate Professional Ethics, Community Living and Nation Building initiatives.
- ★ Exhibit professional skills and knowledge for pursuing CA, CMA, ACS and other Career oriented programmes like ACCA, CFA, MBA and related PG Build competency to manage business and leadership challenges.

COMMERCE(PG)

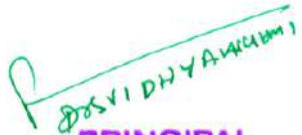
- ★ Expose the methods of data collection and their interpretation.
- ★ Develop communication and analytical skills.
- ★ Impart knowledge in commerce to all students enrolled and to sensitize them on issues related to global changes and social concerns.


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- ★ Expedite all commerce students to have wholesome personality development.
- ★ Develop the students with research aptitude and build research abilities in them
- ★ Prepare and train the postgraduate students to accept the business Challenges by providing exposure on advanced commercial and business methods and processes.
- ★ Develop independent logical thinking and facilitate personality development.
- ★ Acquire the students for seeking appropriate careers in management and entrepreneurship.

SCIENCE (UG)


- ★ Enhance knowledgeable in the subject of Science and apply the principles of the same to the needs of the Employer / Institution / own business.
- ★ Acquire the Analytical skills in the field/area of Science.
- ★ Understand and appreciate professional ethics, community living and building initiatives.
- ★ Analyse and compare alternative solutions to computing problems.
- ★ Apply mathematical foundations, algorithmic principles, and computer science theory in the modelling and design of computer-based systems in a way that demonstrates comprehension of the trade offs involved in design choices.
- ★ Apply design and development principles in the construction of Software applications of varying complexity.


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- ★ Design and conduct experiments, collect data, analyze and interpret the investigate complex problems or program-specific research areas.
 - ★ Apply current techniques, skills, and tools necessary for computing practice.
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- Acquire the knowledge with facts and figures related to various subjects in pure sciences
 - Understand the basic concepts, scientific phenomena and their relevance in the day-to-day life
 - Enhance the skills in handling scientific instruments, chemical, glassware, planning and performance in laboratory experiments
 - Analyse the given scientific data critically and systematically and the ability to draw the objective conclusions/inferences.
 - Develop communication and analytical skills.

SCIENCE (PG)

- ★ Develop professional foundations through activities such as teaching, internship and fellowships.
- ★ Attained profound Expertise in Discipline
- ★ Acquire the basic tools needed to carry out independent research.
- ★ Proficient in their specialized area and successfully complete an advanced research project.
- ★ Develop skills in problem solving, critical thinking and analytical reasoning as applied to scientific problems.
- ★ Acquired ability to Function in Multidisciplinary Domains



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MANAGEMENT(PG)

- ★ Professional Competences have right mix of Knowledge-portfolio, Skill-set, Mind-set and Pragmatism in their chosen fields that employment/entrepreneurship demands.
- ★ Distinguishing sense of being Seasoned and Spiritedness exhibit commitment to fruitful society contribution and nation-building ethos.
- ★ Exuberant with Leadership Latitude are mentored such that they are ready to assume stewardship role with commitment to excellence and endurance.
- ★ Understanding of ethical principles and responsibilities, moral and social values in day-to-day life thereby attaining Cultural and Civilized personality are able to collate information from different kinds of sources and gain a coherent understanding of the subject.

MANAGEMENT (Research)

- ★ Prepared with Research & Development Competences are expressive of their Creative Knowledge, Inventive Skill, Resolute Attitude and Innovative Pursuits in their chosen fields.
- ★ Collate information from a variety of sources and enrich a coherent.
- ★ Understanding of the subject concerned pertaining to Novel investigation on the problems in everyday life.


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PROGRAMME SPECIFIC OUTCOME

Department of Economics

- ⇒ Adequate competency in the frontier areas of economic theory and methods. The students will acquire additional ciliation through optional courses. They will be able to use common software for analysis of economic data. Besides, students will be able to execute in-depth analysis of economic issues based on their understanding of economic theory, which will not only widen their opportunities for employment.
- ⇒ Understand the basic concepts of economics to apply it in the professional pursuits Display the ability to evaluate the market condition and analyse the prices.
- ⇒ Evaluate historical perspective to understand functioning of the economy.
- ⇒ Analyse the impact of economic development to solve the problems like poverty, unemployment, over population, low capital formation etc.
- ⇒ Create awareness about sustainable development and environmental issues.
- ⇒ Implement research methodology in research design, data analysis, planning and interpretation.
- ⇒ Imparts a specific understanding of social, environmental and welfare issues that influence economic, public policies and functioning of the economy.
- ⇒ Understand the international trade, financial markets, and public economics.
- ⇒ Imparts a thorough understanding of the Indian economy from the perspective of its dualistic, agrarian and industrial nature.

S. Rengalaxhi
The Head

Dept. of Economics
Shrimati Indira Gandhi College,
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P. JOSVI DHYANIKUMAR
PRINCIPAL

Shrimati Indira Gandhi College
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PROGRAMME SPECIFIC OUTCOME

Department of English

- ⇒ The basic aim in pursuing B.A. English Literature is to think creatively and analytically about the English language in its varied forms.
- ⇒ This requires critical Listening, Speaking, Reading and Writing as an effective basis of literary inquiry in association with literary contexts.
- ⇒ These skills include clear expression and sound mechanics that can be practiced through creative writing, research and critical argument.
- ⇒ It also employs understanding of literature as a basis of literary inquiry.
- ⇒ These contexts include: the influences of culture, race and gender-
- ⇒ genre, literary traditions and historical periods: literary production and the insights of literary theories.
- ⇒ All the above outcome are developed through class discussion including film, visual media and performance.
- ⇒ An English language-focused degree will train students to analyse the working of the English language outside literature, including language-based communication in all kinds of forms and contexts.
- ⇒ B.A. English degree can lead to a wide range of career. The graduates can work in areas such as professional writing, publishing, teaching, IT, law (by conversion course), education policy, event management, leisure and tourism management, marketing and journalism.

M. Rema

M. REMA

Head Department of English
Shrimati Indira Gandhi College
Trichy-2.

P. SIVADHARANUMI

PRINCIPAL

Shrimati Indira Gandhi College
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Department of Tamil

B.Litt -TAMIL

- ⇒ Explore a wizard in Tamil Literature.
- ⇒ Analyse a Literary critic.
- ⇒ Acquire competency in Literature & Grammar.
- ⇒ The language courses enhance student's understanding of linguistic concepts and language discourse from a functional grammar perspective.
- ⇒ Acquaint with ancient history.
- ⇒ Comprehend the literary genre.
- ⇒ Inquire knowledgeable in multiple disciplines.
- ⇒ Examine innovative and acquire mass communication skills.
- ⇒ Ensure employed to be mass media world.

M.A -TAMIL

- ⇒ Jobs in comparative Literature departments.
- ⇒ Jobs abroad where Tamil is one of the official Languages.
- ⇒ Ability to work in the Translation and Trans literature department.
- ⇒ Enriched with Tamil Traditional grammar.


 தமிழ்த்துறைத் தலைவர்
 சும்பி இந்திரா காந்தி கல்லூரி
 திருச்சிராப்பள்ளி - 2


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PROGRAMME SPECIFIC OUTCOME

M.A -TAMIL

- ⇒ Knowledge in Tamil Tradition, Culture and arts.
- ⇒ Ability to compare Sangam Classics, and Epic
- ⇒ Literature with the literature of other cultures and other continents.
- ⇒ Approach the Tamil language on the philological base.
- ⇒ Understand the life of Ancient Tamil associated with nature.

M.Phil. -TAMIL

- ⇒ Know the research methods.
- ⇒ Identify the research methods in field of Tamil Literature & Grammar.
- ⇒ Illustrate the rules of Hypothesis and its position in research.
- ⇒ Get the skill to notify the list of secondary sources and enclosures in the research.
- ⇒ Understand the necessity of the usage of reference books.
- ⇒ Learn the method to differentiate the use of words from Dictionary to Thesaurus.
- ⇒ Observe the ideology of improving general knowledge through Encyclopaedias.
- ⇒ Infer the approaches of modern literary isms and Tamil Literary
- ⇒ Principles of theories.


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PROGRAMME SPECIFIC OUTCOME

Department of Business Administration

On Completion of BBA Programme

- ✦ The students will gain professional and teamworking skills.
- ✦ The Students will have general idea of operations in business.
- ✦ The students will have specialized skills to deal with specific area issues.
- ✦ The Students will be able to apply technical knowledge for business advancement.
- ✦ The students will be capable of analysing, investigating and solving critical business issues.



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PROGRAMME SPECIFIC OUTCOME

Department of Bank Management

- ⇒ Acquire knowledge on Indian Banking system and Banking Regulation Acts pertaining to it.
- ⇒ Prepare financial statements of business using accounting principles, concepts, conventions and provisions
- ⇒ Develop skills to take up career opportunities ranging from roles in Finance and Accounting, Banking Industry, Corporate Sector etc. Some of the sectors which employ B.Com Bank Management degree holders are Banking, Media, BPOs, Tourism Industry, Hospitality, FMCG Telecom etc.
- ⇒ Obtain advanced lessons in Business Communication, Business Economics, Environmental Studies, Entrepreneurial Development, Accountancy & Portfolio and Investment Management.
- ⇒ Giving exposure to students regarding different aspects of setting up a new business
- ⇒ Recognize features and roles of businessmen, entrepreneur, managers, consultant, which will help learners possess knowledge and other soft skills and to react aptly when with critical decision making.
- ⇒ Develop necessary professional knowledge and skills in finance and taxation
- ⇒ Understanding legal issue law relating to banking and insurance sector
- ⇒ Involve in various co-curricular activities to demonstrate relevancy of and theoretical knowledge of academic major and to gain practical exposure
- ⇒ Understanding emerging trends in accounting and its effect on accounting Practices.

K. Sujatha

The Head

Dept Of B.Com Bank management
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P. DEVI DHYANIKUMAR

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PROGRAMME SPECIFIC OUTCOME

Department Of Commerce

B.Com

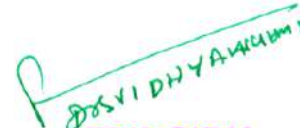
- ⇒ Enables learners to get theoretical and practical exposure in the commerce sector which includes Accounts, Commerce, Marketing, Management, Economics, and Environment etc.
- ⇒ Develops communication skills and build confidence to face the challenges of the corporate world.
- ⇒ Enhances the capability of decision making at personal and professional levels.
- ⇒ Makes students industry ready and develop various managerial and accounting skills for better professional opportunities.
- ⇒ Develops entrepreneurial skills amongst learners.
- ⇒ Strengthens their capacities in varied areas of commerce and industry aiming towards holistic development of learners.
- ⇒ Thus, after completing their graduation learners develop a thorough understanding of the fundamentals in Commerce and Finance.

B.Com CA

- ⇒ Understand the application of business Knowledge in both theoretical and practical aspects.
- ⇒ Ability to apply knowledge of Mathematical Foundations in computing problems.
- ⇒ Determine the procedures and schedules to be followed on preparing financial statements of Companies.
- ⇒ Ability to understand the Software concepts and their applications.



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PROGRAMME SPECIFIC OUTCOME

B.Com CA

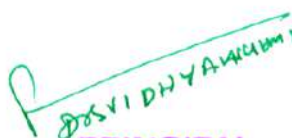
- ⇒ Understand the basic concepts and functions of accounting, trade and computer software
- ⇒ Ability to practice and develop software for interpretation and analysis of data.
- ⇒ Develop proficiency in the management of an organization.
- ⇒ Attain skills in conducting business transactions online.
- ⇒ To analyze the scope of the business by adopting modern technology in the business practice.
- ⇒ Follow the ethics pertaining to business transactions.

M.Com

- ⇒ Students develop the ability to comprehend and functional management concepts, business environment and domain specific knowledge.
- ⇒ Equip the students with requisite knowledge, skills and right attitude necessary to provide effective leadership in a global environment.
- ⇒ Develop skills for analysing of the business data, application of relevant analysis, and problem solving in other functional areas such as marketing, finance, business strategy and human resources etc.
- ⇒ Develop attributes for research in academics and applied research for industry.
- ⇒ The students can work in different domains like Accounting, Taxation, HRM, Banking and Administration.
- ⇒ Ability to start their own business and ability to work in MNCs as well as pvt, and public companies.
- ⇒ To develop team work, leadership and managerial and administrative skills and students can go further for professional courses like CA/ CS/CMA/CFA.



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PROGRAMME SPECIFIC OUTCOME

Department of Biochemistry

B.Sc Biochemistry

On completion of the Programme, the student will be able to:

- ⇒ Communicate the fundamental concepts of specific molecules, enzymes, cells, organ systems and metabolism of compounds
- ⇒ Apply the knowledge and expertise in industries, diagnostic laboratories and various research fields
- ⇒ Impart practical skills and scientific knowledge in domains of molecular biology, enzymology, genetics, clinical biology and immunology
- ⇒ Develop problem solving ability by utilizing the conceptual knowledge, analytical techniques, computational and statistical approaches.
- ⇒ Facilitate to pursue post-graduation in related fields in life sciences and contribute their knowledge to the betterment of the society in various research and health care sectors.

Radhika S

The Head

Dept Of Biochemistry
Shrimati Indira Gandhi College
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P. SIVADHARAN

PRINCIPAL

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PROGRAMME SPECIFIC OUTCOME

M.Sc. Biochemistry

- ⇒ The course aims in gaining an understanding of the processes of metabolic transformation at the molecular level and how these processes are studied.
- ⇒ It is important to study enzymes, the rate limiting molecule of all the chemical reactions and understanding enzymes could pave research ideas.
- ⇒ Students can make the Knowledge of the relationship between structure and function at organ and/or organism level, of important cell biological communication principles and processes, and how they are regulated.
- ⇒ Students will gain conceptual understanding of subject matter, scientific reasoning skills, laboratory manipulative skills.
- ⇒ The course aims to give participants a basic knowledge of mechanisms of signal transduction and the significance of signal transduction in physiology and pathophysiology.
- ⇒ Understand the basic principles about the structure and function of macromolecules and their regulation in biological pathways.
- ⇒ Acquire a global platform for doing their higher studies and to set a better career.
- ⇒ Apply their skills in various clinical laboratories by experiencing a skillful knowledge during practical.
- ⇒ Develop critical thinking skills to be capable of designing, carrying out interpreting scientific experiments.

Raidhika . S

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P. SIVADHARANI
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PROGRAMME SPECIFIC OUTCOME

Department Of Chemistry

- ⇒ Enlighten the knowledge about all fundamental aspects of physical, inorganic, organic and other applied field of chemistry.
- ⇒ Demonstrate an understanding of the fundamental principles, including scientific reasoning to solve problems, of organic chemistry, inorganic chemistry, analytical chemistry and physical chemistry.
- ⇒ Acquire knowledge about the fundamentals and applications of chemical and scientific theories.
- ⇒ Learn the laboratory skills and safely to transfer and interpret knowledge entirely in the working environment.
- ⇒ Create foundation for research and development in Chemistry and to familiarize with current and recent developments in Chemistry.
- ⇒ Ability to perform scientific experiments skilfully by applying procedural knowledge.
- ⇒ Develop analytical skills and problem solving skills requiring application of chemical principles.

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PROGRAMME SPECIFIC OUTCOME

Department Of Computer Science, IT & Applications

B.C.A

- ⇒ Apply technical, scientific as well as basic managerial, financial procedures to analyze and solve the real-world problems within their work domain.
- ⇒ Realize both conceptual and application-oriented skills in commerce, Finance & Accounting and IT Applications in Business context.
- ⇒ Ability to understand business management skills, especially in providing technical support.
- ⇒ Endorses on ethics, values, sustainability and creativity aspects, the ability and the mindset to continuously update and innovate.
- ⇒ The capability to employ modern computer languages and applications for their successful career, to create platforms to become an entrepreneur and a relish for higher studies.

B.Sc IT

- ⇒ Apply the Programming skill and technical skill to meets the requirements of the IT based industries.
- ⇒ Amalgamation professional software engineering practice by applying contextual knowledge to assess societal and legal issues.
- ⇒ Retaining the learning skills in collecting, analysing, evaluating the problems and applying it in the real time applications.
- ⇒ Smear current techniques, skills, and tools necessary for computing practice for acquiring job in the field of IT and its allied areas, engaging in continuous professional development through lifelong learning.

N. Vijayalakshmi

Ms. N. VIJAYALAKSHMI,
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Head, Dept. of Computer Science,
I.T. and Computer Applications,
Shrimati Indira Gandhi College,
Trichy-2.

P. S. V. D. N. Y. A. K. U. M. I.
PRINCIPAL
Shrimati Indira Gandhi College
Truchirapali-2.

PROGRAMME SPECIFIC OUTCOME

B.Sc CS

- ⇒ Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline and evaluate the impact of technological advances in the society and the social, legal, ethical and cultural ramifications of computer technology.
- ⇒ Converse the fundamental theories, concepts, Algorithms, Data Structures, Programming Languages, Compilers, Computer hardware, architecture and their applications in computer science.
- ⇒ Apply computation and programming, the theoretical basis of the mathematics and symbolic concepts that underlie computing and communicate in a collaborative environment, present ideas, and document work at all stages of software development.
- ⇒ Classify the components of a computer, then organization of those components, map statements and constructs in a high-level language into a sequence of machine instructions to solve the real-life problems.
- ⇒ Apply problem-solving skills and acquire the knowledge of computer science to solve real world problems.

M.Sc CS

- ⇒ Ability to understanding the principles, working of hardware and software aspects in computer systems.
- ⇒ Ability to understand the structure and development methodologies of the software systems.
- ⇒ Analyze the contemporary issues, latest trends in technological development and there by innovate about its new ideas and solutions to existing problems.
- ⇒ Attain computer science concepts, designs, solutions effectively and professionally.

N. V. Vijayalakshmi
Ms. N. VIJAYALAKSHMI,
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Trichy-2.

P. Prasadhyakshmi
PRINCIPAL
Shrimati Indira Gandhi College
Truchirapalli-2.

PROGRAMME SPECIFIC OUTCOME

M.Sc CS

- ⇒ Apply knowledge of computing to produce effective designs and solutions for specific problems.
- ⇒ Exploit software development tools, software systems, and modern computing platforms.
- ⇒ Empower women graduates to meet global challenges through innovative Teaching-Learning methodologies.
- ⇒ Promote young students to become software professionals with sound knowledge and pursue research.

M.Sc IT

- ⇒ Ability to integrate new software and hardware technologies and extend their knowledge in specific areas of interest in academia and the industry.
- ⇒ Apply standard Software Engineering practices and strategies in software project development using open-source programming environment to deliver a quality product for business success.
- ⇒ Ability to work in an IT or computing environment with the opportunity to enhance their career prospects by gaining additional knowledge and skills in selected areas of IT.

M.Phil., CS

- ⇒ Identify, analyze, and synthesize scholarly literature relating to the field of computer science.
- ⇒ Apply the method of documentation and understand the importance of computational tools.
- ⇒ Understand how technological advances impact society and the social, legal, ethical and cultural ramifications of computer technology and their usage.

M. N. Vijayalakshmi

Ms. N. VIJAYALAKSHMI,
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Shrimati Indira Gandhi College,
Trichy-2.

P. Prasadhyankumari
PRINCIPAL
Shrimati Indira Gandhi College
Trichirapalli-2.

PROGRAMME SPECIFIC OUTCOME

Department of Fashion Technology

- ⇒ Summarize students by both theoretical and practical knowledge about style crafting cloth material and machinery working which goes into making a cloth.
- ⇒ Articulate their artistic abilities to support their future design carriers.
- ⇒ Develop the systematic, critical approach to problem solving at all levels of the design process.
- ⇒ Discover students to peruse carriers as designers, Design managers, Merchandisers, Freelance design consultants, forecasting & fashion trends forum organizers, Fashion communication journalist, costume designers in Textile industries.
- ⇒ Highlight potential of these studies to become students an entrepreneur in future.
- ⇒ Reframe their inspired knowledge and abilities to ongoing changes in global fashion and related creative industries;

D. Jayaprakash
for
Dept Of Fashion Technology &
Costume Designing
Shrimati Indira Gandhi College
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P. JOSYI DHYANIKUMAR
PRINCIPAL
Shrimati Indira Gandhi College
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PROGRAMME SPECIFIC OUTCOME

PG & Research Department Of Mathematics

B.Sc., Mathematics

Upon completion of B.Sc., Mathematics Programme, the graduates will be able to:

- ⇒ Understand the foundation of Mathematics.
- ⇒ Demonstrate basic manipulative skills in algebra, geometry, trigonometry, and beginning calculus
- ⇒ Apply the unifying structures of mathematics (i.e., sets, relations and functions, logical structure) and the relationships among them
- ⇒ Demonstrate proficiency in writing proof.
- ⇒ Apply critical thinking skills to solve problems that can be modelled mathematically.
- ⇒ Interpret numerical and graphical data.
- ⇒ Acquire good knowledge and understanding in advanced areas of mathematics and its applications

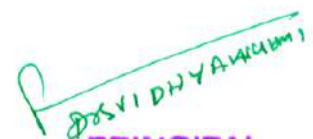
M.Sc., Mathematics

Upon completion of M.Sc., Mathematics Programme, the graduates will be able to:

- ⇒ Understand the nature of abstract mathematics and explore the concepts in further details.
- ⇒ Interpret the real-world problems in to mathematical equations and draw the inferences by finding appropriate solutions.



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PROGRAMME SPECIFIC OUTCOME

M.Sc., Mathematics

- ⇒ Acquire mathematical knowledge and skills appropriate to professional activities.
- ⇒ Qualify national level tests.
- ⇒ Explore ideas of mathematics for propagation of knowledge.
- ⇒ Understand and deal with abstract concepts.

M.Phil., Mathematics

Upon completion of M.Phil., Mathematics Programme, the graduates will be able to:

- ⇒ Read mathematics independently and solve advanced mathematical problems. •
- ⇒ Demonstrate mastery of subject material, as evidenced by quality of performance in coursework, and on written and oral examinations in mathematics.
- ⇒ Explore mathematical ideas, results, context, and background effectively and professionally in written and oral form.
- ⇒ Apply the knowledge of Mathematics, in all the fields of learning including higher research and its extensions.
- ⇒ Formulate theorems and publish research papers on discovering new avenues in the relevant field of research.



Dr. J. Shukla
Dept. Of Mathematics
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SHRIMATI INDIRA GANDHI COLLEGE, TRICHY-2

(Nationally Accredited at 'A' Grade (3rd cycle) by NAAC)

DEPARTMENT OF MICROBIOLOGY

Programme Specific outcomes

B.Sc., Microbiology:

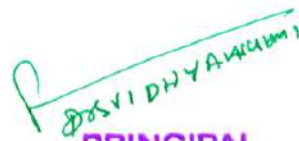
- ❖ Acquire the fundamental knowledge of microorganisms and its types.
- ❖ Explore the metabolic characteristics and physiological activities of microbes.
- ❖ Elucidate the characteristics, specific nature and cultivation methods of virus.
- ❖ Clarify the relationships of microbes in relation with the medical field.
- ❖ Describe the various processes and products involved in the fermentation industries in connection with the microbial applications.
- ❖ Able to undergo the Research and Development industries which utilize the efficiency of Microorganisms.

M.Sc., Microbiology:

- ❖ Understand the nature and basic concepts of Microbiology.
- ❖ Analyze the relationship of microorganisms with other organisms.
- ❖ Explain the applications of microbiology in agriculture, medicine and Environment.
- ❖ Expertise both the theoretical and practical aspects of Microbiology.
- ❖ Describe the role of microorganisms in the Food industries.
- ❖ Able to become an entrepreneur in the field of Microbiology.



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PROGRAMME SPECIFIC OUTCOME

Department of Physics

B.Sc Physics

- ⇒ Apply the theories learnt and the skills acquired to solve real time problems.
- ⇒ Develop analytical and logical skill for higher education.
- ⇒ Enhance laboratory skills, enabling them to take measurements in a physics laboratory and analyse to draw valid conclusions.
- ⇒ Demonstrate a proficiency in mathematics and the mathematical concepts needed for a proper understanding of physics.
- ⇒ The students will be eligible to take up competitive exams

M.Sc Physics

- ⇒ The students would gain substantial knowledge in various branches of physics :
Mathematical physics, Classical mechanics, Statistical Mechanics,
Electromagnetic theory, Solid state physics Quantum mechanics Nuclear and
particle physics.
- ⇒ Develop working knowledge of experimental, computational techniques and
instrumentation required to work independently.
- ⇒ Equip students for seeking suitable careers in physics.
- ⇒ Perform basic applied and collaborative research.
- ⇒ Become socially and environmentally responsible citizen.

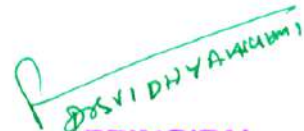


The Head

Dept of Physics & I.T.

Shrimati Indira Gandhi College

Tiruchirappalli - 620 002.



PRINCIPAL

Shrimati Indira Gandhi College
Tiruchirappalli-2.

PROGRAMME SPECIFIC OUTCOME

Department of Hospital Administration

- ⇒ Students will possess the knowledge and ability to apply current business and financial principles, including theory and techniques, to the health care environment.
- ⇒ Students will demonstrate the ability to communicate clearly and concisely within context of professional health care environments.
- ⇒ Students will exhibit the knowledge regarding various attributes of leadership and demonstrate the capacity for leadership roles in health care organizations.
- ⇒ Students will understand the ethical implications of decision-making and recognize ethical dilemmas.
- ⇒ Students will have an understanding of health care issues, trends and perspectives related to diversity, e.g., aging, underserved populations, health disparities, etc.
- ⇒ Students will understand the regulatory environment and apply skills that improve patient safety and the quality of care.



THE HEAD

Department of Hospital Administration
Shrimati Indira Gandhi College
Tiruchirapalli - 620 002



PRINCIPAL

Shrimati Indira Gandhi College
Tiruchirapalli-2.

PROGRAMME SPECIFIC OUTCOME

PG & Research Department Of Social Work

MASTER OF SOCIAL WORK

- ⇒ Acquire knowledge on the application of social work theories ,methods and principles.
- ⇒ Obtain scientific knowledge about the dynamics of problems and issues in our society.
- ⇒ Ability to practice skills, techniques, approaches and models of fields for promoting desirable change, development and empowerment of people.
- ⇒ Perform scientific evidence based research and evaluation.
- ⇒ Develop attitudes and values vital fir working with people and social organisation to reach the goals social work profession.
- ⇒ Apply social work professional knowledge in enhancing peoples capacity ,quality of life promoting social justice and providing opportunity for people to develop.


Dept Of Social Work
Shrimati Indira Gandhi College
Tiruchirapalli - 620 002.


PRINCIPAL
Shrimati Indira Gandhi College
Tiruchirapalli-2.

PROGRAMME SPECIFIC OUTCOME

M.Phil IN SOCIAL WORK

- ⇒ Demonstrate professionalism, self-awareness, leadership, and effective communication skills.
- ⇒ Understand ethical issues and dilemmas that social workers often face.
- ⇒ Apply knowledge and skills to solve problems of the clients.
- ⇒ Understand the theories of social work and its application in social work practice.
- ⇒ Possess the skills required to integrate concepts from various disciplines to understand human behaviour.
- ⇒ Become competent to assume more advanced leadership positions, achieve a higher salary, get promoted quickly, stay up-to-date on the latest practices, enjoy increased job opportunities, and fulfil maximize learning potential.
- ⇒ Become social work professionals in the most advanced and innovative social work research methods and equip to take up research projects and careers as academicians.
- ⇒ Be able to work in government organizations and NGO's and undertake higher responsibilities in such areas as policy formulation, planning and administration.


The Head
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PRINCIPAL
Shrimati Indira Gandhi College
Tiruchirapalli-2.

PROGRAMME SPECIFIC OUTCOME

Department Of Management Studies

M.B.A

- ⇒ Expert in Professional Competences have right mix of Knowledge-portfolio, Skill-set, Mind-set and Pragmatism in their chosen fields that employment/entrepreneurship demands.
- ⇒ Distinguishing sense of being Seasoned and Spiritedness exhibit commitment to fruitful society contribution and nation-building ethos.
- ⇒ Exuberant with Leadership Latitude are mentored such that they are ready to assume stewardship role with commitment to excellence and endurance.
- ⇒ Understanding of ethical principles and responsibilities, moral and social values in day-to-day life thereby attaining Cultural and Civilized personality.
- ⇒ Ability to collate information from different kinds of sources and gain a coherent understanding of the subject.

GENERAL MANAGEMENT:

- ▲ Understanding theoretical concepts and their relevance in a changing business environment.
- ▲ Enhancing knowledge of contemporary issues.
- ▲ Prepare and deliver quality presentations in a clear, organized and logical manner.

J. Francis

Director

Department of Management Studies
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.

P. DRSVI DHYANAKUMARI

PRINCIPAL
Shrimati Indira Gandhi College
Tiruchirappalli-2.

PROGRAMME SPECIFIC OUTCOME

M.B.A

MARKETING:

- ▲ An ability to function in multi-disciplinary teams.
- ▲ An ability to understand the impact of Managerial solutions in a global, economic, environmental, ethical aspects of business And societal context.

FINANCE:

- ▲ To employ financial models and tools through data based decision making for managing organizational growth.
- ▲ To apply accounting skills for wealth creation and maximization for their entrepreneurial venture.

HUMAN RESOURCE:

- ▲ Develop managerial or entrepreneurial expertise to manage businesses in a changing global environment.
- ▲ To make sound business decisions, by applying management theories and principles across different functional areas

SYSTEM:

- ▲ To implement various Information and Communication Technologies thereby enhancing skills in e-business sector for achieving growth
- ▲ Utilize technology and its multi-faceted dimensions in solving real world problems.

OPERATIONS:

- ▲ To be able to work in an integrative business project through the application of multidisciplinary knowledge comprising of operations and supply chain management.
- ▲ Ability to apply Management fundamentals in practical world.

J. Praveen Kumar

Director
Department of Management Studies
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.

P. S. V. DHYANESWARAR
PRINCIPAL
Shrimati Indira Gandhi College
Tiruchirappalli-2.

PROGRAMME SPECIFIC OUTCOME

M.Phil., M.B.A

- ⇒ Development Competences are expressive of their Creative Knowledge, Inventive Skill, Resolute Attitude and Innovative Pursuits in their chosen fields.
- ⇒ Collate information from a variety of sources and enrich a coherent understanding of the subject concerned pertaining to Novel investigation on the problems in everyday life.
- ⇒ To encourage the scholars to do quality research in the area of Management.
- ⇒ To enable them to analyse and evaluate various Research Techniques/ Statistical tools.
- ⇒ To enhance skills of ICT and apply them in Teaching, Learning, Contexts and Research.
- ⇒ To sensitize the students regarding the latest developments that are impacting the working of organizations all over the globe and to keep pace with the development in the areas of management.
- ⇒ Recognize and think critically towards the management curricula with sound knowledge and theoretical skills by questioning and plausible explanations.
- ⇒ To read as quickly, easily, and effectively as possible a lot of scientific papers, analyse, structure, record, and remember their contents and suitable recall information that can be intelligently connected to foster a new understanding.
- ⇒ To be able to use sophisticated IT tools to gain a complete grasp of the situation and analyze questions to make path breaking contributions and stay connected in peer interactions via technological connectivity.

J. Francis Henry
Director

Department of Management Studies
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.

P. DEVI DHYANESHWARI
PRINCIPAL
Shrimati Indira Gandhi College
Tiruchirappalli-2.

DEPARTMENT OF ECONOMICS
PART III CORE, ALLIED AND CORE ELECTIVE

Semester - I		
Course code	Course title	Course Outcome
16ACCEC1	Micro Economics-1	<ol style="list-style-type: none"> 1.To Understand concept of equilibrium: stable and unstable, static, comparative static, dynamic 2.To identify how different changes in the determinants of supply and demand affect price and quantity 3.To calculate cost functions from firm and production function. 4.To interpret the meaning of marginal revenue and marginal cost and their relevance for firm profitability 5.To analyses supply and demand to determine changes in market equilibrium(price and output) changes in welfare. concepts of welfare function.
16ACCEC2	Tamil Nadu Economy	<ol style="list-style-type: none"> 1.To knowledge about the natural resources in Tamil Nadu and Regional Economic Development 2.To understands the poverty alleviation programme and employment generation programme 3. To role of agricultural in Economic development of Tamil nadu 4.To industrial development from large scale as well as small scale industries sector . 5.To role of infrastructure development in Tamil Nadu particular on transport, communication, health, and education
16AAECE1	Principles of Commerce	<ol style="list-style-type: none"> 1.To enable the students to learn the fundamentals of commerce 2.To make the students aware of Indian banking system. To impact knowledge about functions and role of RBI 3.To this course enables the students the practical knowledge and the tactics in the advertisement 4. understand basic capital concept elements of working capital and fixed capital 5.To understand the concept and functions of management importance of management and its applications.

S. Peralabli

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P. SIVADHYANIKUMAR

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Tiruchirappalli-2.

ECONOMICS

Semester -II

Course code	Course title	Course outcome
16ACCEC3	Micro Economics-II	<ol style="list-style-type: none"> 1.To understand how households (demand)and business(supply) interact in various market structure to determine price and quantity of a good product 2.To determine profit maximizing price and output for a monopoly firm 3.To able to determine profit maximizing price and output for a firm in a quasi -competitive market 4.To understand the implication of theories rent, and wages. 5.To determine how a firm with pricing power can maximize profit.
16ACCEC4	Indian Economic Development	<ol style="list-style-type: none"> 1.To knowledge about the developing nations and its obstacles of economic development 2.To understands nations income concepts , computation of the national income and constraints faced while calculating the national income 3.To Role of Agriculture in the Economic development of India Problems of Agriculture in India 4.To industrial development from large scale as well as small scale industries and its role in the overall development of the nations 5.To role of infrastructure development in the country especially on health as well as education allocation.
16AAEC2	Marketing	<ol style="list-style-type: none"> 1.To study and critically analyses the basic concepts and trends in marketing 2.To the students will gain knowledge which will enable them to analyses the marketing functions 3. To the students will be capable of understanding the pricing policies and role of the elements in the promotion mix. 4. To the marketing research can help the marketing manager in decision making. 5.To the students with the process of personal selling and the strategies and methods for effective sales management.

S. Peralash

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P. Dhanu Kumari

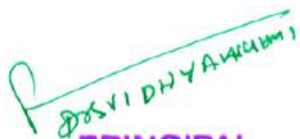
PRINCIPAL
Shrimati Indira Gandhi College
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ECONOMICS

Semester - III		
Course code	Course title	Course outcomes
16ACCEC 5	Macro Economics I	<ol style="list-style-type: none"> 1.To Prepare for success in studying economics. Explain what economics is and explain why it is important. 2.To describe and calculate national Income. 3.To explain and calculate unemployment. 4.To Understand the causes and effects of inflation and unemployment. 5.To discuss the functional relationship between aggregates.
16ACCEC 6	Money and Banking	<ol style="list-style-type: none"> 1.To define money, explain the functions of money. 2.To explain what a bank does. 3.To describe how money is created by lending. 4.To explain the various functions of central bank. 5.To study the main objectives of E-banking.
16AACCEC 3	Economic Statistics	<ol style="list-style-type: none"> 1.To help the students should understand and know how to use statistics 2.To be able to design sample for the data collection. 3.To apply quantitative research methods in the field of business studies. 4.To inspire knowledge across different areas in statistics. 5.To equip our students with good quality to appear for competitive examinations.
Semester - IV		
Course code	Course title	Course outcomes
16ACCEC 7	Macro Economics II	<ol style="list-style-type: none"> 1.To enable the students to understand the concepts of Investment functions. 2.To study the working of multiplier. 3.To explain and discuss the balanced budget and foreign trade multiplier. 4.To describe the operation of the acceleration principle. 5.To explain the monetary policy and fiscal policies of the economy.

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ECONOMICS

Semester - IV		
Course code	Course title	Course outcomes
16ACCEC8	Monetary Economics	<ol style="list-style-type: none"> 1. To learn the basic principles of monetary economics. 2. To study the theories of money demand, money supply determination process and money in macroeconomic models. 3. To describe how monetary policy actions are transmitted to the real economy? 4. To Discuss the merits and disadvantages of different monetary policies used by Central Banks. 5. To Explain and discuss why people hold money and why it is used in the trading process.
16AAEC4	Statistical methods	<ol style="list-style-type: none"> 1. To Understand the significance of various Statistical tools in framing economic theory. 2. To study the calculation of correlation and regression. 3. To framing and solving and the ability to assemble and evaluate complex problems 4. To include elements of probability theory, sampling theory, statistical estimation and hypothesis testing. 5. To understanding of probability and statistical methods with applications to economic and social issues.
Semester - V		
Course code	Course title	Course outcomes
16ACCEC9	PUBLIC FINANCE	<ol style="list-style-type: none"> 1. To gain knowledge about the components of public finance. 2. To understand and differentiate the classification of public revenue. 3. To ascertain the principles of taxation. 4. To know about public debts and deficit financing with special reference to India. 5. To Build relevant theoretical and practical knowledge about Federal structure of India and Finance Commissions .

S. Regalashi

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ECONOMICS

Semester - V		
Course code	Course title	Course outcomes
16ACCEC10	ECONOMICS OF GROWTH AND DEVELOPMENT	<ol style="list-style-type: none"> 1.To educate the factors and approaches in Economic Development and Growth models. 2.To emphasize the embodied and disembodied technological progress and the applications of important growth models. 3.To enable the critical understanding of social and institutional aspects of development. 4.To analyse the theories of development and to find the imperfections. 5.To align and infer about the approaches to development.
16ACCEC11	INTERNATIONAL ECONOMICS	<ol style="list-style-type: none"> 1. To examine the theories of Absolute , Comparative advantage and Opportunity cost with the help of diagrams 2.To Comprehend the effects and types of tariff and non tariff barriers to trade. 3.To rationalize the reasons to maintain equilibrium Balance of payments and trade. 4. To interpret the methods of determination of international exchange rates. 4.To evaluate the impact of SAARC, WTO,IMF and ADB in India.
16ACCEC 12	HISTORY OF ECONOMIC THOUGHT	<ol style="list-style-type: none"> 1.Evaluate the pre-classical and classical thoughts. 2. Analyse the theories of Austrian and Institutional school of Economics 3.Examine the socialistic theories of economic thinkers as Sismondi, Karlmax. 4.Comprehend the economic ideas of historical, Keynesian and welfare schools 5.To link past economic ideas of Indian thinkers like Gokhale, Naoroji, Gandhi , sen with recent ones in a critical perspective.

S. Pengalash

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P. SIVADHARAN

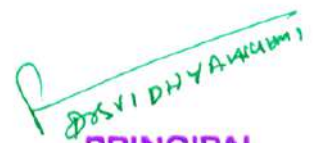
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Shrimati Indira Gandhi College
Tiruchirappalli-2.

ECONOMICS

Semester - V		
Course code	Course title	Course outcomes
16AMBEEC1	CAPITAL MARKET	1.To Know the concepts, growth and functions of Capital Market 2. To gather the financial sources and institutions.. 3.To make out and judge the corporate securities like bonds,shares,debentures. 4.To apprehend the functions of stock exchange and SEBI . 5. To acquire the procedures in the of issue of shares.
Semester - VI		
Course code	Course title	Course outcomes
16ACCEC 13	AGRICULTURAL ECONOMICS	1.To ascertain the role of agriculture in Indian economy. 2.To imply the new agricultural strategy based on new economic policy 3.To find out the sources of agricultural finance 4.To regulate the marketing system and monitor pricing policies. 5.To resolve the problems of agricultural labour.
16ACCEC 14	HUMAN RESOURCE MANAGEMENT	1.To educate the approaches of Schultz and Becker on human capital. 2.To asses the the role of education in capital formation 3.To examine the process of human resource planning. 4.To evaluate the role of women in economy. 5.To deal with the population and development strategy.

S. Peralashi

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ECONOMICS

Semester - VI		
Course code	Course title	Course outcomes
16ACCEC15	ENVIRONMENTAL ECONOMICS	<ol style="list-style-type: none"> 1. To ventilate the theories of environomics with other sciences. 2.To Correlate welfare with environomics. 3.To rationalize the quality of environment education and laws. 4.To interpret the accountability of cost benefit analysis. 5.To summarise the fiscal measures and global treaties on pollution control.
16AMBEEC2	ENTRENEURSHIP DEVELOPMENT	<ol style="list-style-type: none"> 1.To evaluate the significance ,functions and theories of entrepreneurship. 2. To evaluate the prospects of industries and micro finance. 3.To assess the promotional agencies like TIIC,DIC,NSIC,etc.. 4.To estimate the legal control over pricing through the methods of cost estimation. 5.To prepare project appraisal and analyse graphically.
16AMBEEC3	ECONOMICS OF INSURANCE	<ol style="list-style-type: none"> 1.To apprehend the features, principles, profile and classifications of insurance in economy. 2. To detect and compute the life and health insurance plans . 3. To track the tools of risk management and treatment device. 4.To discover the legal regulations of insurance in India. 5. To acquire the marketing strategies and selling process.

S. Rajalakshmi

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P. ROSVINDHYA KUMARI

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Sanskrit
Part 1
Course Outcomes

Semester - I		
Course Code	Title of the Paper	Course Outcomes
16LCS1	Part1 Sanskrit Paper -1 Katha, History of Popular Tales and Pada-Racana	Correlate the morals of the prescribed stories in true life situations. Outline the popular tale literature in Sanskrit. Explain Sanskrit morphology. Generate the nominal and verbal forms in Sanskrit. Appreciate the role of stories in value enrichment
Semester - II		
Course Code	Title of the Paper	Course Outcomes
16LCS2	Part 1 Sanskrit Paper -2 Poetry, Textual Grammar and alankaras.	Interpret poetry in Sanskrit. Outline poetry literature in Sanskrit. Identify the figure of speech in Sanskrit.
Semester - III		
Course Code	Title of the Paper	Course Outcomes
16LCS3	Part 1 Sanskrit Paper-3 Prose, Textual Grammar and vakya - rachna	Appreciate classical Sanskrit prose. identify the different types of Sanskrit prose. identify the prescribed suffixes. generate words adding the suffixes.
Semester - IV		
Course Code	Title of the Paper	Course Outcomes
16LCS4	Part 1 Sanskrit Paper-4 Drama, Drama Literature and sandhi.	Understand and appreciate Sanskrit drama, outline Sanskrit drama literature, explain the types of Sanskrit plays and identify the rules of morphophonemics. apply the rule of morphophonemics.


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HINDI		
SEMESTER - I		
Course code	Title of the Paper	Course outcome
16LCH1	COURSE -1 PROSE, SHORT & GRAMER	Students will be well versed in hindi grammar and will acquire written as well spoken skills. They will come to know about the different writing form and style of different authors as well as the portrayal of Indian lifestyle in pre-independent days. The struggle and hardship gone through by the freedom fighters is described in the stories which will be a thought provoking exercise for the students.
SEMESTER - II		
Course code	Title of the Paper	Course outcome
16LCH2	COURSE - 2 Novel, One Act Play, Comprehension and Grammar	Detailed awareness about verbs, adverbs, conjunctions, idioms and phrases, etc will be acquired by the students. Especially the stories and novels of Munshi Premchand beautifully portrays the life in rural India and help the students in understanding how difficult life was in the olden days. The test on comprehension passage will help the students in improving their vocabulary as well as understanding.

Nishi

P
D.S.V. DHYANRAM
PRINCIPAL
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Truchirapalli-2.

HINDI

SEMESTER - III

Course code	Title of the Paper	Course outcome
17LCH3	COURSE - III Medieval Poetry, Poetics And History Of Hindi Literature	The exquisite style of medieval poetry and the revolutionary modern style of present day poetry will help the students in seeing the fine themes handled in different ways and will stimulate their thought process into developing their own unique style of poem construction. They will come to know about types of Ras, Chand and alankar.

SEMESTER - IV

Course code	Title of the Paper	Course outcome
16LCH4	COURSE - IV FUNCTIONAL HINDI AND MODERN POETRY	How the hindi literature evolved over a period of time will be an interesting study when the students go through the different periods of literature development. They will learn to compose official letters suiting various occasions and needs. They can improve their translation skills, from hindi to English and vice-versa. Attempting the general questions regarding essays will mark up their ability in comprehending the different aspects of the hindi language.

Nishi

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HINDI

Semester - III		
Course code	Title of the Paper	Course outcome
16LCH3	COURSE - III MEDIEVAL POETRY, POETICS AND HISTORY OF HINDI LITERATURE	The exquisite style of medieval poetry and the revolutionary modern style of present day poetry will help the students in seeing the fine themes handled in different ways and will stimulate their thought process into developing their own unique style of poem construction. They will come to know about types of Ras, Chand and alankar.
Semester - IV		
Course code	Title of the Paper	Course outcome
16LCH4	COURSE - IV FUNCTIONAL HINDI AND MODERN POETRY	How the hindi literature evolved over a period of time will be an interesting study when the students go through the different periods of literature development. They will learn to compose official letters suiting various occasions and needs. They can improve their translation skills, from hindi to English and vice-versa. Attempting the general questions regarding essays will mark up their ability in comprehending the different aspects of the hindi language.

Nishi


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 Tiruchirapalli-2.

HINDI

Semester - I		
Course code	Title of the Paper	Course outcome
16LCH1	COURSE -1 PROSE, SHORT & GRAMER	Students will be well versed in hindi grammar and will acquire written as well spoken skills. They will come to know about the different writing form and style of different authors as well as the portrayal of Indian lifestyle in pre-independent days. The struggle and hardship gone through by the freedom fighters is described in the stories which will be a thought provoking exercise for the students.
Semester - II		
Course code	Title of the Paper	Course outcome
16LCH2	COURSE - 2 NOVEL, ONE ACT PLAY, COMPREHENSION AND GRAMMAR	Detailed awareness about verbs, adverbs, conjunctions, idioms and phrases, etc will be acquired by the students. Especially the stories and novels of Munshi Premchand beautifully portrays the life in rural India and help the students in understanding how difficult life was in the olden days. The test on comprehension passage will help the students in improving their vocabulary as well as understanding.

Munshi

P
DR. S. V. DHYANESHWARI
PRINCIPAL
Shrimati Indira Gandhi College
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DEPARTMENT OF ENGLISH

COURSE OUT COME

PART II - ENGLISH

Semester - I		
Course code	Title of the paper	Course Outcome
20CEL1	Communicative English -I	<ul style="list-style-type: none">• Help learners read and comprehend literary texts to communicate effectively• Students improve their comprehension skills.
20PELPS-I	1. Professional English for Physical sciences - I	<ul style="list-style-type: none">• Develop their competence in the use of English with particular reference to the workplace situation.
20PELLS-I	2. Professional English for Life Sciences - I	<ul style="list-style-type: none">• Enhance the creativity of the students, which will enable them to think of innovative ways to solve issues in the workplace.
20PELA-I	3. Professional English for Arts & Social Sciences-I	<ul style="list-style-type: none">• Develop their competence and competitiveness and thereby improve their employability skills.
20PELCM-I	4. Professional English for Commerce & Management - I	<ul style="list-style-type: none">• Create a substantial base by the formation of strong professional vocabulary for its application at different platforms and through numerous modes as comprehension, reading, writing and speaking etc.

M. Rema

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Head Department of English
Shrimati Indira Gandhi College
Truchirapalli-2

P. SIVADHARAN
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DEPARTMENT OF ENGLISH

COURSE OUT COME

PART II - ENGLISH

Semester - I		
Course code	Title of the paper	Course Outcome
16ELCE1	Prose for Effective Communication	<ul style="list-style-type: none"> • Help learners read and comprehend literary texts to communicate effectively • Improve their comprehension and composition skills
Semester - II		
Course code	Title of the paper	Course Outcome
16ELCE2	Poetry for Effective Communication	<ul style="list-style-type: none"> • Train learners to improve their poetic skills. • Appreciate the rhyme, rhythm and style of the POEM. • Understand the thought and imagination contained in the poem.
Semester - III		
Course code	Title of the paper	Course Outcome
16ELCE3	Drama for Effective Communication	<ul style="list-style-type: none"> • Analyse the different cultures and themes by reading DRAMA
Semester - IV		
Course code	Title of the paper	Course Outcome
16ELCE4	Short Story for Effective Communication	<ul style="list-style-type: none"> • Understand the different cultures and themes by reading SHORT STORIES

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P. SIVADHARAN

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ENGLISH

Semester - II		
Course code	Title of the paper	Course Outcome
20CEL2	Communicative English -II	<ul style="list-style-type: none"> Improve their poetic skills. Appreciate the rhyme, rhythm and style of the POEM. Analyses the thought and imagination contained in the poem.
20PELPS-II	1. Professional English for Physical sciences - I	<ul style="list-style-type: none"> Develop the language skills of students by offering adequate practice in professional contexts.
20PELLS-II	2. Professional English for Life Sciences - I	<ul style="list-style-type: none"> Enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students
20PELAS-II	3. Professional English for Arts & Social Sciences-I	<ul style="list-style-type: none"> Focus on developing students' knowledge of domain specific registers and the required language skills.
20PELCM-II	4. Professional English for Commerce & Management - I	<ul style="list-style-type: none"> Evaluate an error-free writing by being well-versed in rules of English grammar and cultivate relevant technical style of communication and presentation.
Semester - III		
Course code	Title of the paper	Course Outcome
16ELCE3	Drama for Effective Communication	<ul style="list-style-type: none"> Gain an insight of different cultures and themes by reading DRAMA
Semester - IV		
Course code	Title of the paper	Course Outcome
16ELCE4	Short Story for Effective Communication	<ul style="list-style-type: none"> Identify the cultures and themes by reading SHORT STORIES

M. Rema

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P. SIVADHYANIKUMI

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DEPARTMENT OF ENGLISH
PART-III - MAJOR, ALLIED PAPERS
COURSE OUTCOME

Semester -I		
Course code	Title of the Paper	Course outcome
16ACCEN1	Prose	<ul style="list-style-type: none"> • To develop the love for natural objects. • To give certain facts and lessons through the story. • To develop the language ability of the learners. • To do intense study of the students. • To shape the students' character.
16ACCEN2	Short Stories	<ul style="list-style-type: none"> • Analyze the art of story telling and the various structural elements. • Instituting comparisons with various Literary Movements to help deconstructing texts with greater clarity. • Reconstruct an expression of the human experience. • Creates a short narratives story with collaboration.
16AACEN1	Social History of England	<ul style="list-style-type: none"> • To learn the social history of England and acquire general knowledge about the old period, the medieval or middle period and the modern period of England in a political perspective. • Correlate the socio-political history with the literary history of English and will be able to perceive how the land's literature reflects or/and refracts the nation's history. • Decipher that the knowledge of socio-political history would enable them to get familiarized with representative literary and cultural texts within a significant span of historical, geographical, and cultural contexts. • Identify, analyse, intpret and describe the critical ideas, values and themes that appear in literary and cultural texts of various genres. • Comprehend the evolution of the history of literary genres as contextualised in a land's social history.

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DEPARTMENT OF ENGLISH
PART-III - MAJOR, ALLIED PAPERS
COURSE OUTCOME

Semester -II		
Course Code	Title of the Paper	Course outcome
16ACCEN3	Poetry-I	<ul style="list-style-type: none"> • Make learners sharpen their poetic sensibility and stylistic skills. • Provide a comprehensive guide to English poetry, its development, its forms and movements, throughout the ages. • Recognize poetry from a variety of cultures, languages and historic periods. • Understand and appreciate poetry as a literary art. • Analyse the various elements of poetry, such as diction, tone, form, genre, imagery, figures of speech, symbolism, theme, etc.
16ACCEN4	Fiction	<ul style="list-style-type: none"> • Develop the ability and interest to read literary prose and fiction on their own. • Understand how society and culture played a significant role in the lives and career of the writers of the age. • Analyse and appreciate the narrative styles of the writers and the innovative novelistic techniques employed by them. • Exposed to different cultures, myths and histories of various nation through fiction. • Receive creative acumen and will be nourished by the scintillating stories and a sense of inclination towards literary sensibility.
16AACEN2	Literary Forms	<ul style="list-style-type: none"> • Understand the origin and development of the different genres of literature. • Identify the unique features of each literary form by way of comprehending its characteristics and conventions. • Apply knowledge of the various forms of literature to the study of individual works. • Achieve a bird's eye view to the nuances of English Literature, thereby strengthening expertise in literature students that amounts to their intertextualizing content and form of works of art. • Analyse the evolution of English Literature and the evolution of its popular genres in terms of politics, culture, social and literary backgrounds.

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DEPARTMENT OF ENGLISH
PART-III - MAJOR, ALLIED PAPERS
COURSE OUTCOME

Semester -III		
Course code	Title of the paper	Course outcome
16ACCEN5	Poetry- II	<ul style="list-style-type: none"> • Make learners sharpen their poetic sensibility and stylistic skills. • Provide a comprehensive guide to English poetry, its development, its forms and movements, throughout the ages. • Recognize poetry from a variety of cultures, languages and historic periods. • Understand and appreciate poetry as a literary art. • Analyse the various elements of poetry, such as diction, tone, form, genre, imagery, figures of speech, symbolism, theme, etc.
16ACCEN6	One Act Plays	<ul style="list-style-type: none"> • Interpret literary texts in English by nurturing and utilising their ability to understand drama in a skilled, knowledgeable and ethical manner. • Conceptualize various types of drama especially the one act plays, the prescribed syllabus and analyse the effect they create in the audience or the readers. • Understand the structure of the play and learn the dramatic devices used in writing the play. • Develop reading, writing and analytical skills and communicate their ideas critically and creatively. • Discern the various cultural and moral values associated with the texts which help them to become ethical communicators.
16AACEN3	History of English Literature -I	<ul style="list-style-type: none"> • Expose learners to the historical background, rise and fall of literary movements and their relationships to socio-political and socio-religious events. • Understands the historical context of the writer and his society. • Delineate major writers and their works in chronological order. • Provides an insight into the social background through the literary genre. • Gain knowledge about the evolution of national sensibility.

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DEPARTMENT OF ENGLISH
PART-III - MAJOR, ALLIED PAPERS
COURSE OUTCOME

Semester -IV		
Course code	Title of the paper	Course outcome
16ACCEN7	Drama	<ul style="list-style-type: none"> • Understand the evolution of drama from Elizabethan theatre to post war theatre • Analyse the socio-cultural background in their reading of the plays. • To make learners comprehend and appreciate various cultures and varieties of its presentation in the representative texts. • To expose learners to the sociological and psychological dimensions of characterization, • The rhetorical aspect of drama will help them understand how to represent their experience and ideas critically, creatively, and persuasively through the medium of language.
16ACCEN8	An Introduction to Language and Linguistics	<ul style="list-style-type: none"> • Classify ancient and traditional theories of language use in the society. • Understand and describe the structure of the speech organs and their function and the basic methods of articulation. • Analyse the acoustic property of speech sounds and classify the words based on morphological principles. • Apply the concepts of various syntactic theories and differences among them and analyse how semantic and pragmatics interact and relate to neighbouring fields such as lexical theory and morphology and syntax. • Evaluate the relationship between language and society
16AACEN4	History of English Literature- II	<ul style="list-style-type: none"> • Understand the growth and development of English Literature. • Analyse various genre • A strong understanding of the historical context of the writer.

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DEPARTMENT OF ENGLISH
PART-III - MAJOR, ALLIED PAPERS
COURSE OUTCOME

Semester-V		
Course code	Title of the paper	Course outcome
16ACCEN9	Shakespeare	<ul style="list-style-type: none"> • To understand the tragedies, comedies and Tragicomedies of Shakespeare. • Identify major literary characters in Shakespeare's work. • Become familiar with the structure of a tragedy play/form. • Increase their familiarity with Shakespearean language and expression. • Develop sufficient ability for reading and understanding Elizabethan English to allow for better comprehension of Shakespeare's plays
16ACCEN10	Principles of Literary Criticism	<ul style="list-style-type: none"> • Enriches students understanding of the literary work. • Helps to make value judgments on a work, to explain his or her interpretation of the work, or to provide others with relevant historical or biographical information. • Acquire the knowledge of history of literary criticism, its various trends and schools. • Learn to apply literary theory and approaches to texts whatever they read in order to enrich their understanding and appreciation of Literature. • Ingrains the mind towards creative writing, appreciation, critical thinking and critical analysis
16ACCEN11	American Literature	<ul style="list-style-type: none"> • Identify relationships between moments in American history, colonialism, and culture. • Instills the background of civil war and transcendentalism. • Emphasizes on the meaning and the significance of American Dream, then and now. • Aids to comprehend the effects of racism. • Evaluate the thoughts, beliefs, customs, struggles, and visions of African American writers

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ENGLISH

Semester-V		
Course code	Title of the paper	Course outcome
16ACCEN12	Indian Culture and Literature	<ul style="list-style-type: none"> Appreciate the historical trajectory of various genres of Indian Writing in English from colonial times to till the present. Analyse literary texts and recognize the limitations, especially due to the challenges by reading non-western texts in a predominantly western academic setting and they learn a wide range of Indian culture. Understand the special emphasis on the issues such as the representation of culture, identity, history, national and gender politics. Gain insight into "Indianness" through respective works. Apply the ideas encapsulated in Indian Aesthetics to literary texts
16AMBEEN1	Translation Theory and Practice	<ul style="list-style-type: none"> Introduces theoretical concepts relevant to practical translation. It creates a basic understanding of the theories underpinning the practice of translation Creates the awareness of different types of texts (written and oral) approaches and strategies for translating. Examine key linguistic and cultural aspects of translating; knowledge and understanding of the types of difficulties encountered when translating. Inculcate self - confidence and self-awareness to do independent study. Develop awareness of linguistic and cultural contrasts between language.

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DEPARTMENT OF ENGLISH
PART-III - MAJOR, ALLIED PAPERS

COURSE OUTCOME

Semester - VI		
Course code	Title of the paper	Course outcome
16AACEN13	Indian Writing in English	<ul style="list-style-type: none"> • Introduces students to major movement's figure of Indian Literature in English through the study of selected literary texts. • Creates literary sensibility and emotional response to the literary texts, implants a sense of appreciation of that literature. • Enables to appreciate the changing trends in Indian Literature in English from pre to post - Independence era. • Gives an insight into some of the Indian writers in English is also introduced through some of the works. • Develops a literary sensibility and display an emotional response to the literary texts and cultivate a sense of appreciation for them
16ACCEN14	Common wealth Literature	<ul style="list-style-type: none"> • Able to trace out the social and literary background of Commonwealth countries. • Exposes the suppressed society reflected in the Commonwealth Literature. • Identifies of the geography of Commonwealth Literature and the issues of the commonwealth writers. • Comprehends the major themes, literary trends and the problem of language in creative writing of the commonwealth writers. • Analyses the relevance of reading these works in the light globalization
16ACCEN15	English Language Teaching	<ul style="list-style-type: none"> • Provides knowledge about how English was introduced in India and the role played in pre and post independent India. • Focuses on in-depth knowledge various techniques, approaches and methods of language teaching. It inculcates an overview of communicative competence, linguistic competence and task-based learning. • Helps to deal effectively with error analysis theory and the techniques of teaching grammar, poetry, prose, drama and vocabulary. • Provides an in-depth analysis of LSRW and their sub-skills, and provides a platform to learn how to communicate effectively. • Focuses on various types of testing and to evaluate the silent way, total physical, response, suggestopedia in language teaching. It provides the steps to design a standard test and also study the samples of competitive tests like TOEFL & IELTS.

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Semester - VI		
Subject code	Title of the paper	Course outcome
16AMBEEN2	Journalism	<ul style="list-style-type: none"> Exposes the students to various aspects of journalism. Enables learners on how to provide public with the information they need. Provides various scopes to make the best possible decisions about the communities, the societies and the governments. Educates the learners as one of the best journalists. Makes the learner understand their responsibility and service to society. It also makes them understand the most important thing about journalism.
16AMBEEN3	English for Competitive Examination	<ul style="list-style-type: none"> Evaluates a person of his knowledge or ability in competitive exams. Help students to get some vital information about those exams. To clear these exams dedicated efforts along with certain soft skills are required. Helps to gain the knowledge of both descriptive and objective English with sections on grammar, vocabulary, reading, writing and comprehension, this course guarantees improvement. Instill confidence in learners and improve their language skills to face the challenges of competitive examination. To equip learners with adequate English language skills to achieve success in competitive examinations.

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DEPARTMENT OF BUSINESS ADMINISTRATION

Semester - I		
Course code	Subject	Description
18UGVED	Value Education	<ol style="list-style-type: none"> 1.Acquire the basic knowledge of value education. 2.Enable them to practice value education in real life. 3.Understand the principles of life and concepts of values. 4.Lead a meaningful life for the fulfillment of the needs. 5.Know about the needs of family,workplace,society and country.
Semester - II		
Course code	Subject	Description
16CCBB3	Marketing Management	<ol style="list-style-type: none"> 1.Understand the basic concepts, importance of marketing and marketing environment. 2.Learn concepts related to consumer behaviour and market segmentation. 3.Analyze the concept of product, branding and product life cycle. 4.Learn and understand the concepts of pricing and distribution. 5.Demonstrate the concepts of promotion and promotion mix.
16CCBB4	Mathematics and Statistics for Managers	<ol style="list-style-type: none"> 1.Have an insight into the basic statistical techniques. 2. Evaluate the simple problems based on measures of dispersion, correlation and regression. 3.Gain the knowledge a about set theory, matrix, differentiation and integration. 4.Apply different quantitative models in solving business problems. 5.Evaluate the solution of Linear Programming problem by using graphical and simplex methods.



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DEPARTMENT OF BUSINESS ADMINISTRATION

Semester - I

Course code	Subject	Description
16CCBB1	Management Concepts	<ol style="list-style-type: none">1. Help the students understanding the functions and responsibilities of Managers.2. Provide them tools and techniques to be used in the performance of the Managerial job.3. Enable them to analyze and understand the environment of the organization.4. Help the students to develop cognizance of the importance of Management Principles.5. Understand the concepts related to the functions of Management
16CCBB2	Financial Accounting	<ol style="list-style-type: none">1. Demonstrate a good understanding the concept of double entry system and principles of accounting.2. Apply critical thinking and problem solving skill for preparation of trading and profit and loss account and balance sheet of sole trader.3. Understand of various methods of maintaining accounts of Departments.4. Learn accounting for branches and departments.5. Develop understanding about the accounting of single entry system and its difference with double entry system.
16ACBB1	Managerial Economics	<ol style="list-style-type: none">1. Develop Understanding to take business decisions in different business situation using theory and concept.2. Analyze consumer behavior and their utility for their consumption through utility, consumer equilibrium, indifference curve & demand concept.3. Apply the concept of demand and elasticity practically.4. Evaluate the relationship between price and output determination in different market structure.5. Demonstrate future demand of a product using qualitative and quantitative techniques.

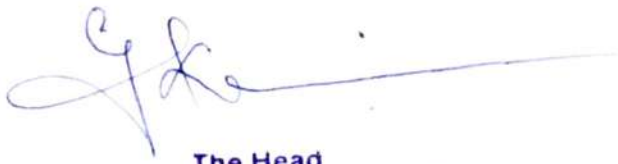


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DEPARTMENT OF BUSINESS ADMINISTRATION

Semester - VI		
Course code	Subject	Description
16CCBB15	Entrepreneurial Development	<p>1.To acquire the fundamental knowledge of entrepreneurs, entrepreneurship.</p> <p>2.To understand the concept of Intrapreneurs, women entrepreneurs, and objectives of Entrepreneurship Development Programme, industrial estate, incentives, subsidies and growth strategies.</p> <p>3.To familiarize about Entrepreneurship Development Programme, steps involved in starting small industry, District Industries Centers(DIC), Export Credit Guarantee Corporation (ECGC), Small Industries Development Bank of India (SIDBI) and other financial Institutions.</p> <p>4.To Analyze the significance contribution of women entrepreneurs with their success stories, factors influencing the choice of organization, feasibility analysis, and techniques of project appraisal, role of commercial banks, causes and symptoms of industrial sickness.</p> <p>5.To Evaluate the phases of Entrepreneurship Development Programme, establishing entrepreneurial system, selection of a good project, various sources of finance and Rehabilitation of industrial sickness.</p>
16MBEBB2	Management Concepts in Thirukkural	<p>1.To understand the fundamentals of Thirukkural.</p> <p>2.To expose the thirukuralm, the book of wisdom.</p> <p>3.To know the verses related to contemporary management concept.</p> <p>4.To give guidance to have a worthy life.</p> <p>5.To know the human values in detail.</p>



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DEPARTMENT OF BUSINESS ADMINISTRATION

Semester - VI

Course code	Subject	Description
16MBEBB3	Global Business Management	<ol style="list-style-type: none"> 1.To Explain the concepts in international business with respect to foreign trade/international business. 2.To Apply the current business phenomenon and to evaluate the global business environment in terms of economic, social and legal aspects . 3.To Assist in the importing and exporting functions of a business 4.To Analyse the principle of international business and strategies adopted by firms to expand globally . 5.To Integrate concept in international business concepts with functioning of global .
UGGS	Gender Studies	<ol style="list-style-type: none"> 1. Utilize critical thinking, writing, and speaking skills, as well as information literacy 2.Analyze complex interconnections of gender, race, class, sexuality, ability, and other categories of power and identity in various spheres of human endeavor ranging from the socio political to the aesthetic 3.Demonstrate an openness to learning about people, cultures, and societies different from themselves and their own worlds 4.Understand and analyze forces shaping individual experiences as well as social structure and institutions such as the family, workplace, and media 5. Apply central concepts and theories from Gender Studies to their own life experiences and the world around them.



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Semester - V		
Course code	Subject	Description
16RSBE10:2	Cultural Tourism in India	<ol style="list-style-type: none"> 1. Understand the concept of tourism, basic about tourism industry. 2. Access accurate and detailed product knowledge about different types of tourists. 3. Develop tourism industry sectors 4. Evaluate relevant agencies in the tourism industry. 5. Enhance knowledge about the various cultures followed.
Semester - VI		
Course code	Subject	Description
16CCBB13	Human Resource Management	<ol style="list-style-type: none"> 1. To enable the students to understand the HR Management and system at various levels in general and in certain specific industries or organizations. 2. To help the students focus on and analyse the issues and strategies required to select and develop manpower resources. 3. To develop relevant skills necessary for application in HR related issues 4. To Enable the students to integrate the understanding of various HR concepts along with the domain concept in order to take correct business decisions. 5. To integrate the knowledge of HR concepts to take correct business decisions.
16CCBB14	Management Accounting	<ol style="list-style-type: none"> 1. To enhance the abilities of learners to develop the concept of Management and its significance in the business. 2. To enhance the abilities of learners to analyse the Fund flow analysis and Cash flow analysis. 3. To enable the learners to understand, develop and apply the techniques of Management Accounting in Financial decision making in business corporates . 4. To make the students develop competence with their usage in managerial decision making and control. 5. To evaluate the working capital and estimate the working capital requirements .



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Semester - V		
Course code	Subject	Description
16CCBB11	Company Law and Secretarial Practice	<ol style="list-style-type: none"> 1.Acquire the basic knowledge on important terms and registration. 2.Understand the concept of Memorandum of Association, Articles of association. 3.Develop the application skill on the structure of company, Incorporation of a company, company meeting, preparation of agenda and minutes and procedures for winding up of a company. 4.Analyse the role of directors and secretary, rights and liabilities of secretary, Qualification and disqualification of directors and secretary, 5.Gain confidence to start up a new company in the modern era.
16CCBB12	Research Methods in Management	<ol style="list-style-type: none"> 1.Remember the nature and classification of research design and the types of research. 2.Understand history of research, types of research . 3.Apply research methods in social and business sciences . 4.Analyze sampling concept and methods of sampling . 5.Evaluate the data - uses, advantages, disadvantages, types and sources and create skilful research reports.
16MBEBB1	Services Marketing	<ol style="list-style-type: none"> 1. Remember fundamentals of services and understand consumer behavior in service industry. 2.Align internal capabilities in organization by applying suitable strategies for gaining customer loyalty . 3. Analyze gaps in service delivery and accordingly plan demand forecast, delivery planning and sales forecast. 4.Evaluate requirement to use CRM for customer satisfaction and retention of market share, use complaints as an opportunity for enhancing quality of service . 5. Create customer loyalty with internal capabilities Product .


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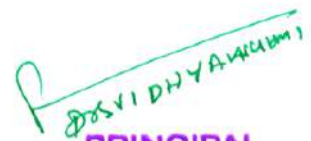

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DEPARTMENT OF BUSINESS ADMINISTRATION

Semester - IV		
Course code	Subject	Description
16CCBB8	Operations Research	<ol style="list-style-type: none"> 1. Formulate and obtain the optimal solution for Linear programming problems. 2. Learn and to calculate optimal solution of LPP through graphical method. 3. Determine the optimal solution for transportation problems and Assignment problems. 4. Decide an optimal replacement period/policy for a given item/equipment/machine. 5. Understand the need of inventory management.
16ACBB4	Production Management	<ol style="list-style-type: none"> 1. Understand the basic concepts and theories of the production Management. 2. Understand the Production Techniques. 3. Understand technique of layout location in Production Management. 4. Understand the Material Management and Inventory Management. 5. Plan and Implement suitable quality control measure in quality circle to TQM.
16NMEBB1	Management Principles	<ol style="list-style-type: none"> 1. Help the students gain understanding of the functions and responsibilities of Manager. 2. Provide them tools and techniques used in the performance of the managerial jobs. 3. Understand the concepts related to Business. 4. Demonstrate the roles, skills and functions of management. 5. Understand the complexities associated with management of human resources in the organisation and Integrate the learning these complexities.



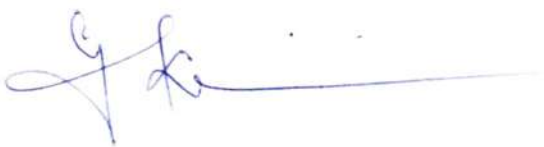
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Semester - IV		
Course code	Subject	Description
16NMEBB2	Banking Practices	<ol style="list-style-type: none"> 1. Demonstrate a good understanding of the Banking system, their challenges and functions 2. Analyse critically the role of RBI, its functions and schemes in India. 3. Examine the customer and their obligation. 4. Evaluate a various types of accounts and problems faced by the customer. 5. Understand the E-Banking Techniques.
Semester - V		
Course code	Subject	Description
16CCBB9	Cost Accounting	<ol style="list-style-type: none"> 1. Familiarize the concept of cost accounting and analysis material cost by various methods of pricing material issues. 2. Develop the knowledge about remuneration and incentives of labour with calculations of overheads. 3. Gather knowledge on preparation of cost sheet in organization practical point of view. 4. Facilitate the idea and meaning of process costing with accounting procedure of costing and analysis the treatment of normal and abnormal losses & gains. 5. Impart the knowledge of operating costing with various methods and techniques of operating costing
16CCBB10	Financial Management	<ol style="list-style-type: none"> 1. Demonstrate a good understanding of concepts, goals and functions of financial management. 2. Analyze the pattern of fund requirement and associated risk through financial planning. 3. Evaluate various theories of dividend and capital budgeting techniques to allocate funds to the most attractive investment opportunity . 4. Estimate various capital structure theories and factors affecting capital structure decisions in a firm. 5. Determine optimum capital structure and cost of capital of various sources like equity, debt, preference and retained earnings.



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DEPARTMENT OF BUSINESS ADMINISTRATION

Semester - II		
Course code	Subject	Description
16ACBB2 -	Business Environment	<ol style="list-style-type: none"> 1. Understand the concept, factors of the business environment and five year plans of India. 2. Examine the concept and role of social environment, ethics and corporate governance. 3. Understand various government policies, institutions and its role in business. 4. Develop insights of economic policies, RBI role, process of economic reforms. 5. Develop knowledge of Technological environment, issues in technology acquisition and transfer.
19UGCES	Environmental Studies	<ol style="list-style-type: none"> 1. Gain information about the environment and the resources. 2. Understand the scale dependence of biodiversity and its measurement. 3. Learn how to assess pollution sources and to evaluate consequences of human exposure to pollution. 4. Gain knowledge in balancing the economic, environmental and social needs. 5. Allow prosperity for now and future generations.
Semester - III		
Course code	Subject	Description
16CCBB5	Managerial Communication	<ol style="list-style-type: none"> 1. Make the students to understand the significance, media and principles of Communication. 2. Help the students to acquire knowledge about different kinds of Business Correspondence. 3. Enable the students to apply modern electronic media of Communication. 4. Discuss and recognise communication barriers. 5. Impart the correct practices of the strategies of effective business writing.



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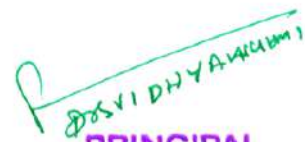
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DEPARTMENT OF BUSINESS ADMINISTRATION

Semester - III		
Course code	Subject	Description
16CCBB6	Computer Applications in Business	<ol style="list-style-type: none"> 1. Understand an overall view of digital computer systems and its classifications memory unit, input devices, output device etc. 2. Create Basic knowledge in using MS word. 3. Make the students aware of various teachers in MS excel. 4. Understand the basic tally software, how to create final accounts, vouchers, etc. 5. Understand inventory information, Inventory Voucher stock items, bill of material etc.
16ACBB3	Business law	<ol style="list-style-type: none"> 1. Understand the various provisions of the Indian Contract Act. 2. Apply the various legal procedures under sale of goods act 1930 in Business. 3. Understand Rights and Liabilities of partners under limited liability. 4. Make the students point of view understand design, plans manage and control . 5. Understand the contract of Indemnify and Guarantee, contract of Bailment, Contract of pledge and contract of Agency and Type of Agents.
Semester - IV		
Course code	Subject	Description
16CCBB7	Organisational Behaviour	<ol style="list-style-type: none"> 1. Become effective leaders by addressing the human side of enterprise. 2. Understand individual behavior in organizations, including attitudes, job satisfaction, emotions, personality, values, perception, decision making, and motivational theories. 3. Understand group behavior in organizations, including communication, leadership, power and politics, conflict, and negotiations. 4. Understand the organizational system, including organizational structures, culture, human resources, and change. 5. Understand the behaviour of Individuals.



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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16CCCBM1	PRINCIPLES OF ACCOUNTANCY	<ul style="list-style-type: none"> Remember to apply knowledge of generally accepted accounting principles (GAAP) and managerial accounting theories to business organizations, state and local Understand how the 'accrual principle' creates a fundamental difference between profit and cash flow. Describe how profit, cash flow and the balance sheet are connected. Apply to understand integrate fundamental concepts underlying accounting, finance, management, marketing, and economics Analyse the quantitative skills to help analyze and solve business problems and to take advantage of business opportunities Evaluate and explain the ethical and social responsibilities of accountants in ensuring the integrity of financial information
16CCCBM2	INDIAN FINANCIAL SYSTEM	<ul style="list-style-type: none"> Remember financial system of India Understand the instruments of the money and bond markets. Apply the various derivative instruments. Analyse the participants in the financial markets Evaluate the students in taking investment decisions and in future If they pursue higher studies in this field they can become Financial Advisors as well.
16CACBM1A	BUSINESS MANAGEMENT	<ul style="list-style-type: none"> Remember the basic concepts of management and compare Traditional with Contemporary Management. Understand the functions of management related to Banking and Insurance companies. Apply Organizational Structure of Banking and Insurance companies Analyse the contributions of Indian and International business leaders. Evaluate data to verify accuracy of conclusions.


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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
16CCCBM3	BUSINESS TOOLS FOR DECISION MAKING	<ul style="list-style-type: none"> Remember how to apply a particular statistical tool on the data and variables under consideration and apply various data type using various statistics techniques Understand and analyse complex business banking related problems Apply different perspectives on what counts as an effective decision. Analyse the decision making processes of other individuals and groups. Evaluate to make more effective decisions.
16CCCBM4	BANKING THEORY LAW & PRACTICE	<ul style="list-style-type: none"> Remember the basic concepts of banking and functions of banking Understand legal and regulatory aspects of banking. Apply the basic concepts of insurance and elaborate the kinds of business risks Analyse the insurance business environment in India Evaluate the working of Indian banking system.
16CACBM1B	BUSINESS ECONOMICS	<ul style="list-style-type: none"> Remember the concepts of national income and circular flow Understand the contemporary banking and monetary system, and analyze the role of money, credit and monetary policy Apply the business cycle swings Analyse union budget and concepts relating to it Evaluate the role of international trade and finance in domestic economic activity

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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16CCCBM5	FINANCIAL ACCOUNTING	<ul style="list-style-type: none"> Remember and apply their knowledge in measuring the value of goodwill and equity shares of a company Understand and record the journal entries and prepare a ledger account for Redemption of Preference Shares and Debentures Apply the provisions for Buyback of Equity Shares and measure the number of shares to be bought back by a company in a given year Analyse the Accounting Standards, Classification of income and expenses and Introduction to Bank Reconciliation Statement. Evaluate the Hire Purchase System, analyze and compare the FIFO System with Weighted Average Inventory System.
16CCCBM6	CO-OPERATIVE BANKING	<ul style="list-style-type: none"> Remember the purpose and the functions of central banks and monetary policies and how they have evolved over time. Understand the tool of monetary policy and to the rules that central banks follow, with special attention to inflation targets. Apply the effects of the main policy tools and understand how central banks affect the financial system and the economy more generally and the role they have played in the recent financial crisis Analyse rural financing and micro financing. Evaluate how people perceive and decide about risk.
16CACBM1C	BUSINESS LAW	<ul style="list-style-type: none"> Remember the legal environment of business Understand the fundamental legal principles behind contractual agreements. Apply basic legal knowledge to business transactions Analyse standard business and legal terminology Evaluate the relevance of business law to individuals and businesses and the role of law in a political and social context.

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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - IV

Course code	SUBJECT	COURSE OUTCOME
16CCCBM7	CREDIT MANAGEMENT	<ul style="list-style-type: none"> Remember risk in derivative products Understand to apply various techniques to mitigate credit risk Apply debtors and know how to communicate with them effectively Analyse risks and minimize bad debts Evaluate the credit assessment policy and its control mechanism.
16CCCBM8	SERVICES MARKETING	<ul style="list-style-type: none"> Remember the Concept of Services and intangible products Understand the relevance of the services Industry to Industry Apply the characteristics of the services industry. Analyse the role and relevance of Quality in Services Evaluate the future changes in the services Industry.
16CACBM1D	BUSINESS COMMUNICATION	<ul style="list-style-type: none"> Remember students professional ethical attitude, effective communication skills, teamwork, multidisciplinary approach and an ability to understand corporate social responsibility. Understand an academic environment where they will be aware of the excellence, leadership, lifelong learning needed for a successful professional career Apply the ethical code of professional practice Analyse for a successful career that meets the global industrial corporate requirement, provide an environment for students to work collaboratively on projects as part of different teams to enhance their team building capabilities like leadership, motivation, teamwork etc. Evaluate the basic communication aspects such as formal mail drafting, letter drafting, leadership and motivational concepts.

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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16CCCBM9	CORPORATE ACCOUNTING	<ul style="list-style-type: none"> Remember Corporate Accounting in conformity with the provisions of Companies Act and Accounting as per Indian Accounting Standards. Understand the conceptual aspect of corporate accounting. Apply the labour & overheads accounting procedure Analyse the Various concepts related to companies i.e., liquidation, amalgamation, absorption, re-construction and holding company Evaluate the knowledge on issue, redemption of shares and debentures.
16CCCBM10	E- BANKING	<ul style="list-style-type: none"> Remember the banking and commerce and what goes into electronic banking and commerce Understand the fundamental changes in banking and financial markets as financial institutions and brokers have extended to electronic platform. Apply cash management, decision-making, and controlling techniques in an electronic interface. Analyse to gain insight knowledge into cheque truncation and electronic settlement and clearance system Evaluate with a clear understanding of the concept of electronic banking (E-banking).

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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16CCCBM11	COMPUTER APPLICATIONS AND BANKS	<ul style="list-style-type: none"> Remember the basic terminology of computers Understand the various accounting courses, enables the students to gain theoretical and problem solving ability of the students Apply the Business software application courses like Tally will enable the students to start a small software business of self employment. Analyse of both theoretical as well as good practical exposures to the students in the relevant areas to meet the industries expectations. Evaluate the practical concepts of MS Word, MS Excel, MS PowerPoint, and MS Access.
16CCCBM12	MANAGEMENT ACCOUNTING	<ul style="list-style-type: none"> Remember cost variance analysis and demonstrate the use of standard costs in flexible budgeting. Understand the financial tools in evaluation of the various targets achievable in future Apply and analyse different types of activity-based management tools through the preparation of estimates. Analyse cost-volume-profit techniques to determine optimal managerial decisions. Evaluate Cash Flow and Funds Flow statements this helps in planning for intermediate and long-term finances.
16MBEBM1	ENTREPRENEURIAL DEVELOPMENT	<ul style="list-style-type: none"> Remember the development of entrepreneurship as a field of study and as a profession. Understand the creative process of opportunity identification and screening. Apply new concept/product/service ideas as an entrepreneur. Analyse the role of government In promoting entrepreneurship Evaluate the importance of building a support network for the new venture.

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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16CCCBM13	FINANCIAL MANAGEMENT	<ul style="list-style-type: none"> Remember the concept of fundamental financial concepts, especially time value of money. Understand capital budgeting projects using traditional methods. Apply the main ways of raising capital and their respective advantages and disadvantages in different circumstances Analyse the financial concepts to calculate ratios and do the capital budgeting. Evaluate the working capital and estimate the same for an organization.
16CCCBM14	INCOME TAX THEORY LAW & PRACTICE	<ul style="list-style-type: none"> Remember the basic concepts in the law of income tax and determine the residential status of different persons. Understand the five heads in which income is categorised and compute income under the heads 'Salaries' and 'Income from House Property'. Apply income under the head ' Profits and gains of business or profession', 'Capital gains' and 'Income from other sources'. Analyse aggregate income after set-off and carry forward of losses, and deductions allowed under the Income Tax Act; and further to compute taxable income and tax liability of individuals and firms. Evaluate the file online returns of income.

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DEPARTMENT OF BANK MANAGEMENT

SEMESTER - VI

Course code	SUBJECT	COURSE OUTCOME
16CCCBM15	FINANCIAL SERVICES	<ul style="list-style-type: none"> Remember the nature and scope of various types of financial services. Understand regulatory environment surrounding the financial services. Apply Solving problems related to leasing and hire purchase. Analyse the functions of Money Market and Stock Exchange Evaluate the various asset allocation options available for investments.
16MBEBM3	FOREIGN EXCHANGE MANAGEMENT	<ul style="list-style-type: none"> Remember the importance of international marketing. Understand the procedural steps in exports and imports. Apply various terms explained in related laws. Analyse the framework of foreign exchange and their system Evaluate strategies and plans for lasting risk management strategies.
16MBEBM6	DEVELOPMENT BANKING	<ul style="list-style-type: none"> Remember the Universal Banking its products and services.. Understand information about the commercial banking, its functions and types of banking activities undertaken. Apply various Financial Institutions and its functions. Analyse the structure of Indian development banking system Evaluate medium and long term finance to business units.

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PG & RESEARCH DEPARTMENT OF COMMERCE


B.COM., COMMERCE

SEMESTER - I

SUB. CODE	SUBJECT	DESCRIPTION
16CCCCM1	Principles of Accountancy	To create the knowledge of various accounting concepts, conventions and policies of accounting.
		Familiarizes the students to working knowledge of Accounting Standards and about the rules and regulations of accounting.
		Guides the students towards understanding the real accounting concepts and knowledge about the accounting.
		To understand the techniques of consignment and joint-venture and final accounts of consignment.
		To acquaint learner with knowledge regarding accounting procedures related fire insurance claims and the process of claims.
16CCCCM2	Marketing	To understand the fundamentals of marketing, modern concept of marketing and role of marketing
		Equip the students to learn about the buyer's behaviour and know about the product planning and development.
		To know about the pricing, strategies of pricing and channel of distribution.
		To understanding the construction of effective advertisement, highlights the role of advertising for the success of brand and its importance.
		To create the knowledge about marketing information system and techniques of marketing research.
16CACCM1A	Business Management	Creates understanding of the concept of management along with evolution of management, functions and levels of management.
		To understand the planning and process of planning, methods and advantages of planning.
		Provides the students' knowledge about the organisation and structure, departmentation and authority and responsibility.
		To create the knowledge about the motivation, motivation process and theories of motivation.
		Develop the students for leadership style, co-ordination and control techniques.



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SEMESTER - II		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCM3	BUSINESS ACCOUNTING	Updates students with working knowledge of business accounting and branch accounting.
		Imparts conceptual knowledge of various accounting concepts of hire purchase accounts and instalment purchase system.
		To know about the self-balancing and sectional balancing ledgers and royalty account.
		acquaints learners with knowledge about the fire insurance claim for loss of stock and profit and accounting for sale or return
		Create the knowledge about the insolvency accounts and prepare the statement of affairs.
16CCCCM4	BANKING THEORY, LAW AND PRACTICE	Creates understanding the concepts of banking and special relationship between banker and customer.
		To create the knowledge about operation of Bank Accounts, deposits, savings accounts, current accounts etc.,
		To make them understand about types of customers and procedure for opening and closing of accounts.
		Create the knowledge about paying and collecting bankers, rights, responsibility and duties of paying and collecting banker.
		Examine the pass book and issue of duplicate pass book, cheque and drawing a cheque.
16CACCM1B	BUSINESS ECONOMICS	Creates awareness among students about various economic conditions of micro and macroeconomics such as inflation, unemployment, etc.,
		Update the students about the demand analysis, law of demand and demand forecasting.
		To understand regarding production functions and factors of production.
		Create the knowledge about supply law of supply gives basic understanding the perfect, monopoly, duopoly oligopoly and monopolistic markets.
		Impart the knowledge about national income, fiscal policy and scope and importance of public finance.



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B.COM., COMMERCE

SEMESTER - III		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCM5	PARTNERSHIP ACCOUNTS	Students will understand the partnership deed, analyse of profit and loss Appropriation accounts and capital accounts of partners.
		Be able to analyse the profit/loss of firm at the time of pre and post admission of a partner.
		To prepare the Final account of partnership firms with various adjustments and understand accounting treatment of goodwill during retirement and death of partner.
		Students come to know the meaning of dissolution in depth and get knowledge of internal and external liabilities.
		Students will be able to understand the term amalgamation and calculate purchase consideration and accounting in the books of purchasing and vendor company.
16CCCCM6	BUSINESS LAW	Provides a brief idea about the mercantile law, nature and kinds of contract, offer and acceptance.
		To understand the performance of contracts and discharge of contracts.
		Provides the knowledge towards indemnity and guarantee, bailment and pledge.
		Know about the law of sale of Goods, sale and agreement to sell, conditions and warranty.
		To know about negotiable instruments understand the notes, bills, cheques and promissory note.
16CACCMIC	BUSINESS COMMUNICATION	The learners will understand the basic communication aspects such as kinds of business letter, layout etc.,
		Create the knowledge about the enquiry and reply letter.
		Able to analyse the collection letter, sales letter and circular letter, claims and adjustment.
		Understand the basics of application letter and give guidelines to write application letters and resumes.
		To create knowledge about modern communication such as online communication, Fax, E-Mail, Voice mail SMS, Internet, Tele-Conferencing, etc.,

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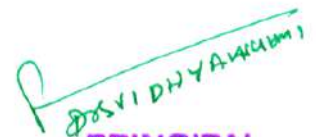
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B.COM., COMMERCE

SEMESTER - IV		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCM7	COST ACCOUNTING	Impacts the knowledge of various costs on the basis of element behaviour and functions, classify cost and prepare a subsequent cost sheet.
		Help in ascertaining the materials cost, receipt and issue of materials storage organisation and layout and inventory control.
		Illustrate practical problems based on labour cost, time recording and time booking, methods of remuneration and incentive scheme.
		To Know about overheads, collection, classification, allocation, apportionment and absorption.
		Create the knowledge about the job costing, contract costing, process costing.
16CCCCM8	BUSINESS TOOLS FOR DECISION MAKING	To understand the basic knowledge about statistics, analyse statistical data using measures of central tendency.
		To analyse statistical data using measures of dispersion.
		Demonstrate and interpret the correlation between two variables, calculate the regression analysis.
		To know about the analysis of time series, components, moving average.
		Acquire knowledge on vital statistics, index numbers and calculate an indices from given data.
16CACCMID	COMPANY LAW	Provides basic knowledge regarding formation of Joint Stock Company and incorporation.
		To understand the memorandum of association, contents, articles of association.
		Students will learn about share capital, kinds of shares, voting rights etc.,
		To know about the statutory meeting, annual general meeting and resolutions.
		Students will able to understand the winding up of a company, modes of winding up.



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B.COM., COMMERCE

SEMESTER - V

SUB. CODE	SUBJECT	DESCRIPTION
16CCCCM9	CORPORATE ACCOUNTING	Students will gain the knowledge of accounting for issue of shares, forfeiture and re-issue of shares, issue of bonus shares.
		Students will learn the concept of redemption of preference shares, issue and redemption of debentures and accounting procedure of redemption.
		To know about the term amalgamation and methods of accounting for amalgamation and accounting entries for purchasing and vendor companies.
		Students will be able to know accounting for holding company and legal requirements relating presentation of accounts.
		It help the students in obtaining a greater understanding final accounts of banking companies and insurance company.
16CCCCM10	AUDITING	To create the knowledge auditing, interim audit, balance sheet audit and internal check.
		Creates understanding of the vouching such as cash and trading transaction, personal and impersonal.
		To know about the verifications and valuation of assets and liabilities and enables create knowledge about auditor's duty and reserves.
		To know about appointment, qualification, rights and liabilities of company auditors and audit report.
		Creates understanding for the need and benefits of having audit of financial statements and audit of computerized accounting.
16CCCCM11	COMPUTER APPLICATIONS TO BUSINESS	To demonstrate a basic understanding of computer hardware and software and to create the knowledge basic understanding of network principles.
		Students will be able to prepare the mark statement and work in MS-Excel.
		To know about the fundamentals of Computerized accounting and Architecture and customization of Tally.
		To understand and demonstrate the inventories and configuration and features of stock items, stock categories, unit of measurement etc.,
		Prepare the financial statement, cash/funds flow statement and cost centre.

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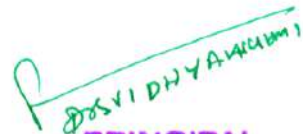
B.COM., COMMERCE

SEMESTER - V

SUB. CODE	SUBJECT	DESCRIPTION
16CCCCM12	MANAGEMENT ACCOUNTING	Updates students with working knowledge of management accounting, Trend analysis, Ratio analysis etc.,
		Acquaints the students with basic techniques of analysis and interpretation of financial statement.
		Provide the knowledge about budget and budgetary control and standard costing.
		Imparts knowledge to the learner about how to prepare the variance analysis, marginal costing.
		Helps the learners to know about capital budgeting, appraisal methods.
16MBECM1	ENTREPRENEURIAL DEVELOPMENT	Familiarizes students with business planning in different types of entrepreneurs and the evolving concepts of entrepreneurship.
		Enhances the Entrepreneurial abilities of the students and develops creativity for better functioning of the organisation.
		To create the knowledge about the start-up process of new business, project identification and selection of the project.
		Provides the overall view of institutional finance to entrepreneurs.
		Students to know about the incentives and subsidies for entrepreneurs and benefit to SSI and role of entrepreneurs



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B.COM., COMMERCE

SEMESTER - VI

SUB. CODE	SUBJECT	DESCRIPTION
16CCCCM13	FINANCIAL MANAGEMENT	To understanding the concept of financial management, Scope, functions and objectives of financial management and to prepare the financial statement.
		Imparts knowledge to the learner about how to prepare the capital structure such as EBIT, EPS and theories of capital structure.
		Familiarizes the students to understand the leverage, determination of dividend policy of companies.
		Provides practical knowledge about the financial decision such as working capital management and stages of cash management.
		Creates understanding of the concept of receivable management and company's credit policy and know about the inventory management.
16CCCCM14	INCOME TAX THEORY LAW & PRACTICES	To enable the students to identify the basic concepts, definitions and terms related to Income Tax and to enable the students to determine the residential status of an individual and scope of total income.
		To knowledge, skills, and attitudes about the allowance and computation of salary.
		To imparting practical knowledge towards the house property and computation of taxable income of house property.
		To prepare the statement should describe the knowledge and abilities to be demonstrated and what are the professional and business income.
		To know about the capital gain and income from other sources of income tax and exemption from income tax.
16CCCCM15	FINANCIAL SERVICES	The learners will be about to apply necessary skills in managing a financial service company.
		To make them understand about hire purchase and leasing process.
		Students to get the knowledge towards mutual fund and mutual funds in India.
		Describe Venture capital, financial product and services and issue of Indian venture capital industry.
		To create the knowledge about the concept of factoring and factoring in India and problems of forfeiting/factoring.

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B.COM., COMMERCE

SEMESTER - VI

SUB. CODE	SUBJECT	DESCRIPTION
16MBECM3	HUMAN RESOURCE MANAGEMENT	Demonstrate an understanding of key terms, theories/ concepts and practices within the field of HRM.
		Providing students with a comprehensive review of key HRM concepts, techniques and issues, create knowledge about job specification and to enables creating strategies to improve HR quality.
		To prepare human resource planning, to recruit, select, place, induct, train and develop the human resources
		To knowledge about the training, purpose of training and types of training in every organisation.
		To arrange for performance appraisal and to achieve the organizational objectives like to earn profit, growth and expansion, survival, diversification etc.
16MBECM5	INSURANCE MANAGEMENT	Provides the knowledge about principles and practice of insurance management and insurance business in India.
		Describe the computation of premium, premium calculation and computation of benefits and surrender value.
		To know about the insurance document, renewal insurance and other insurance documents related to receipt.
		To provide knowledge about the life insurance products, types of insurance products.
		Students to get knowledge about the group insurance, pension plans and health insurance.


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PG & RESEARCH DEPARTMENT OF COMMERCE

B.COM., COMPUTER APPLICATIONS

SEMESTER - I

SUB. CODE	SUBJECT	DESCRIPTION
16CCCCA1	Principles of Accountancy	Use the accounting cycle to develop financial statements from business transactions.
		Demonstrate an understanding of the principles of internal control and apply them to relatively straight-forward situations to identify strengths and weaknesses.
		Describe the purpose of accounting and explain its role in business and society.
		Demonstrate an understanding of inventory, receivables, long-lived assets, liabilities, and stockholder's equity and recommend appropriate accounting treatment.
		Describe how basic business economic events affect accounts and financial statements.
16CCCCA2	Marketing	To demonstrate strong conceptual knowledge in the functional area of marketing.
		Students will demonstrate effective understanding of relevant functional areas of marketing and its application.
		Students will demonstrate analytical skills in identification and resolution of problems pertaining to marketing.
		To learn about marketing process for different types of products and services
		To know about the marketing research and marketing information system.
16CACCA1A	PC PACKAGES-I	Make the students understand about office automation.
		Create basic knowledge in using MS Word
		Make them aware of various features in Excel
		Help them apprehend the overall application of PPT for presentation
		To knowledge on the application of Ms Access

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B.COM., COMPUTER APPLICATIONS**SEMESTER - II**

SUB. CODE	SUBJECT	DESCRIPTION
16CCCCA3	BUSINESS MANAGEMENT	Creates understanding of the concept of management along with evolution of management, functions and levels of management.
		To understand the planning and process of planning, methods and advantages of planning.
		Provides the students' knowledge about the organisation and structure, departmentation and authority and responsibility.
		To create the knowledge about the motivation, motivation process and theories of motivation.
		Develop the students for leadership style, co-ordination and control techniques.
16CCCCA4	INTERNET	1: Understand the client-server model of Internet programming works.
		2: Design and develop interactive, client-side, executable web applications.
		3: Demonstrate how Internet programming tasks are accomplished.
		4: Build tools that assist in automating data transfer over the Internet.
		5: Compare the advantages and disadvantages of the core Internet protocols.
16CACCA1B	PC PACKAGES-II	To understand basic computer concepts and various problem solving methods, including word processing
		To enable the students to have thorough knowledge of computer hardware, software, its components and operating system.
		To provide basic conceptual knowledge about the computer systems and information technology Objectives
		To know about Calculations using Spreadsheet applications and Data storage using Database management.
		To know use a browser, including loading URLs- moving to other pages, saving pages, graphics, using e-mail and search engines.

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B.COM., COMPUTER APPLICATIONS		
SEMESTER - III		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCA5	FINANCIAL ACCOUNTING	Understand key concepts of Branch accounts
		Understand the need and essentials of Departmental accounts.
		Preparing accounts based on Hire Purchase and Installment system.
		Prepare accounts using admission, death and retirement of partners
		To Understand the importance of financial standards and regulatory reporting
16CCCCA6	BUSINESS TOOLS FOR DECISION MAKING	Depth of knowledge in algebra, analysis, or statistics.
		Students will formulate complete, concise, and correct mathematical proofs.
		Students will frame problems using multiple mathematical and statistical representations of relevant structures and relationships and solve using standard techniques.
		Analyze <i>statistical</i> data using measures of central tendency, dispersion and location.
		Use the basic probability rules, including additive and multiplicative.
16CACCA1C	INTRODUCTION TO ORACLE AND SQL	Understand the basic concepts of relational databases ensure refined code by developers
		To Create reports of sorted and restricted data.
		To Identify the major structural components of the Oracle Database.
		Students to create report of aggregated data.
		To create and reading Sequences, Synonyms, Indexes



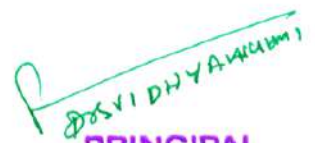
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B.COM., COMPUTER APPLICATIONS		
SEMESTER - IV		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCA7	COST ACCOUNTING	Enable the students to understand critical concepts related to cost sheet
		Provide the students necessary knowledge to compute inventory control and stocks using different methods
		To give an exposure on computation of wage rates
		To provide critical understanding on time rate and piece rate systems
		To offer the students necessary knowledge on over heads and related allocations
16CCCCA8	VISUAL PROGRAMMING	Provide understanding on Visual programming
		Enable the students apprehend the displaying information in
		State the advantages of DBMS
		Provide them critical analysis of queries.
		To learn how to create forms and labels
16CACCA1D	BUSINESS LAW	Make the students understand about business law.
		Develop knowledge on contract and various types of contracts.
		Understand the way for Breach of contract.
		Make the students understand about special contracts
		Help the students to understand the concept of sale of goods



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B.COM., COMPUTER APPLICATIONS		
SEMESTER - V		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCA9	CORPORATE ACCOUNTING	Enabling the students to understand the features of Shares and Debentures
		Develop an understanding about redemption of Shares and Debenture and its types
		To give an exposure to the company final accounts
		To provide knowledge on valuation of Goodwill
		To provide the students get an idea about internal reconstruction
16CCCCA10	AUDITING	Understand the environment and types relating to the auditing function
		Identify the steps needed to prepare for an audit
		Understand general audit terminology and Plan an audit taking into account concepts of evidence, risk and materiality
		Know the steps for performing an audit
		Know how to prepare and use working papers, such as checklists
16CCCCA11	ENTREPRENEURIAL DEVELOPMENT	Provide information related to entrepreneurship
		Make students state the importance of entrepreneurial development
		State the importance of business idea generations
		Gain knowledge on various EDP organized by Government Sectors.
		Provide them the nature of economic development and entrepreneurial growth.

W. Humalath

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B.COM., COMPUTER APPLICATIONS		
SEMESTER - V		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCA12	WEB DESIGNING	Apply intermediate and advanced web development practices.
		Create WebPages that function using external data.
		Identify mobile strategies and design for multiple operating systems.
		Derive information from data and implement data into applications.
		Develop a fully functioning website and deploy on a web server.
16MBECA1	E-COMMERCE	Understand the concept of E-Commerce and describe the opportunities and challenges offered by E-Commerce.
		Able to handle electronic payment technology and requirements for internet based payments
		To understand the categories of E-Commerce
		To identify security issues of E-Commerce
		To understand the Internet security and computer security.

S. Hemalatha

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B.COM., COMPUTER APPLICATIONS		
SEMESTER - VI		
SUB. CODE	SUBJECT	DESCRIPTION
16CCCCA13	MANAGEMENT ACCOUNTING	Make the students aware of introduction to management accounting
		To Gain knowledge on fund flow and cash flow analysis.
		To Enable them to analyse the financial statements using ratios
		To Understand the importance of budgetary control
16CCCA14	INCOME TAX THEORY, LAW ANS PRACTICE	To Apprehend the students to make decision using capital budgeting tools.
		Introduce the concepts related to income tax
		To Understand the different forms of incomes for individuals
		To Create an idea about income which are generated from house property
		To Make the students aware of assessment made for individuals
16CCCCA15	COMPUTERISED ACCOUNTING	To Empowers the Practical exposure on income tax provisions.
		Apply accounting procedures using specialized computer accounting software.
		Communicate effectively using standard accounting terminology.
		Demonstrate an understanding of accounting reports and records.
		To prepare accountants to process more information than before by creating accurate financial reports.
		To improve inventory control and payment collection, saving time and improving cash flow.

W. Senevalath

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B.COM., COMPUTER APPLICATIONS		
SEMESTER - VI		
SUB. CODE	SUBJECT	DESCRIPTION
16MBECA2	MANAGEMENT INFORMATION SYSTEM	To familiarize basics of management information system.
		To make them understand about system and business and technical dimensions
		To create an awareness about DBMS
		To develop knowledge about Enterprise resource planning
		To learn decision support system and functions
16MBECA4	BANKING THEORY LAW AND PRACTICES	Discuss and evaluate the theories relating to the role of banks as financial intermediaries.
		Understand the role of transactions costs and informational asymmetries in the operation of the banking system
		Discuss the main types of risk that banks face and explain their relevance to the stability of the financial system.
		Explain why banks need regulation, and illustrate the main reasons for and against bank regulation.
		To describe fundamental concepts behind modern e-banking/mobile banking technologies.
PG & RESEARCH DEPARTMENT OF COMMERCE		
M.COM., COMMERCE		
SEMESTER - I		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC11	MANAGERIAL ECONOMICS	Learn the basic concept of Managerial Economics
		To know about the law of supply and cost control and cost reduction
		Learn price differentials and price forecasting
		Understand profit planning, and measurement of profit
		Know about National Income, Accounting and Measurement.

W. Sundar

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P. SIVADHARAN

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M.COM., COMMERCE		
SEMESTER - I		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC11	MANAGERIAL ECONOMICS	Learn the basic concept of Managerial Economics
		To know about the law of supply and cost control and cost reduction
		Learn price differentials and price forecasting
		Understand profit planning, and measurement of profit
		Know about National Income, Accounting and Measurement.
P16MC12	SERVICES MARKETING	Students will able to understand the comparative analysis between services and products
		Familiarize the students to acquire TQM in services marketing
		To create the awareness and understand the product Life Cycle Concept
		Aware Bank Marketing and Insurance Marketing
		Understand Tourism and Hotel Marketing
P16MC13	CORPORATE LAWS	Learn latest amendments in Companies Act 2013, relating to company
		Learn about regulation of Scheduled Industries
		Familiarize with Foreign Exchange Management Act 1999
		Provide knowledge about the Essential Commodities Act, 1955, Consumer Protection Act 1986.
		Gain knowledge about Water Act 1974, Air Act 1981
P16MC14	INCOME TAX THEORY, LAW AND PRACTICE	Provide understanding of Income Tax Act, Residential Status and Exempted Income
		Understand Income from Salaries and House Property practices
		Gain knowledge about to computation of Business or Profession and Capital Gain and Other Sources
		Understand Deduction from Gross Total Income
		Provide knowledge of Tax deducted at source.



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M.COM., COMMERCE		
SEMESTER - I		
SUB. CODE	SUBJECT	DESCRIPTION
P16MCE1A	INSURANCE MANAGEMENT	Learn Impact of Privatization of insurance in India
		Understand Morality Table and calculation of premium and surrender value
		Learn Fire Insurance contract and Double Insurance
		Understand about marine Insurance and policy conditions
		Learn about Insurance Regulatory and Development Authority Act 1972, IRDA Regulations 2000
SEMESTER - II		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC21	ADVANCED FINANCIAL MANAGEMENT	Develop knowledge about Profit Vs. Wealth Maximization
		Familiarize the student to acquire the knowledge of Compound value, Valuation of Preference shares
		Understand cost of Capital, operating and Financial leverage
		Provide Factors influencing Capital Structure, Dividend Policy
		Develop management of Working Capital, Management of Cash, receivables and inventory.
P16MC22	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISION	Solve problems on Correlation Analysis and regression Analysis
		Understand and supply multiplication Theorem, Binomial and Poisson and Normal Distribution
		Compute t-test, Chi-Square test, Analysis of Variance
		Analyses and Apply Linear Programming, transportation problem and Assignment problems.
		Understand the concepts of Newton's Method, Parabolic Curve Method.

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M.COM., COMMERCE		
SEMESTER - II		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC23	HUMAN RESOURCE MANAGEMENT	Students know and gain with in-depth knowledge of HRM
		Develop among students Various practices followed by Man power planning
		Provide knowledge about training and Promotions
		Understand Factors affecting performance Appraisal
		Learn about Grievance, Collective Bargaining and Perquisites.
P16MC24	FUNDAMENTALS OF INFORMATION TECHNOLOGY	Provide knowledge about Computer and Operating System
		Learn about Computerized Accounting Vs. Manual Accounting
		Familiarize creation of Voucher, Receipts and Journals
		Practice to creation of Company and Single ,Multiple ledger creation
		Develop and practice creation of Voucher, payment voucher, Sales, Purchase, Contra Voucher.
P16MCE2A	ORGANISATINAL BEHAVIOUR	Provide knowledge of organizational Behaviour
		Create understanding abut perception, Learning, Attitude
		Understand the Theories of personality , stress management
		Gain knowledge about Leadership, conflict Management
		Provide understanding of Organization Culture and Organization Change.


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M.COM., COMMERCE		
SEMESTER - III		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC31	TOTAL QUALITY AMANGEMENT	Understand and know about the Quality Control
		Develop methods of Inspection and Quality Appraisal
		Learn ABC Analysis and Defect Diagnosis and prevention
		Impart knowledge of Quality Motivation Techniques and Total Quality Control
		Understand and know about ISO Model and Implementation of ISO 9000.
P16MC32	ADVANCED CORPORATE ACCOUNTING	Update the students and know about the Inflation Accounting
		Aware of the companies Amalgamation and Reconstruction
		Develop the ability to analyse Holding Company Accounts
		Provide knowledge of Insurance Company Accounts
		Gain Knowledge about Human Resource accounting.
P16MC33	RESEARCH METHODOLOGY	Students will understand and create with the areas of Business Research Activities.
		Enhance capabilities of students to conduct Research design and formulation of Hypothesis
		Facilitate students in developing the most appropriate methodology for their research studies
		Develop knowledge about to Interpretation of data and testing of Hypothesis
		Aware the students ready to write report and presentation.

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M.COM., COMMERCE		
SEMESTER - III		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC34	STRATEGIC MANAGEMENT	Provide understanding of the Tasks, Functions and Skills of strategic management and latest developments
		Provide practice for SWOT Analysis, Social responsibility and Business Ethics
		Develop an understanding of Strategy formulation portfolio analysis
		Ability to Strategy Implementation, Growth Strategies
		Develop ideas and innovation of strategies Effectiveness.
P16MCE3B	BRAND MANAGEMENT	Develop a strategic brand equity business plan based on an accurate analysis of a business situation.
		Develop a communication strategy which integrates all communication elements - traditional and interactive.
		Apply creative problem-solving skills to complex brand issues and problems.
		Develop, deliver and coordinate a variety of presentations.
		Develop and execute a project plan using project management techniques and software.
SEMESTER - IV		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC41	INVESTMENT MANAGEMENT	Provide knowledge about Investment and Various securities
		Provide aware of New issue market and Stock Exchanges, NSE, BSE and SEBI guidelines
		Impact knowledge about security Analysis and Approaches
		Familiarize with the portfolio Analysis and Traditional and Modern Approach
		Provide knowledge about Mutual fund operations and SEBI and RBI Guidelines.

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M.COM., COMMERCE		
SEMESTER - IV		
SUB. CODE	SUBJECT	DESCRIPTION
P16MC42	ADVANCED COST AND MANAGEMENT ACCOOUNTING	Provide knowledge of cost accounting and aware of inventory control
		Gain about overheads, allocation and apportionment of overheads
		Aware how to improve our gain to accept best contract
		Develop an understanding of the conceptual framework of the Management Accounting
		Provide the knowledge in the Management Accounting Techniques in business decision making.
P16MCE4A	E-COMMERCE	Gain knowledge about E- Commerce , Global information Distribution Networks
		Learn smart cards and EPS, Credit cards and EPS
		Impart knowledge about the supply chain Management
		Develop ideas of marketing of the Internet
		Gain knowledge about Multimedia and Digital Video.
P16MCE5A	PROJECT MANAGEMENT	Understand the students' types of projects and project life cycle
		Provide knowledge about project selection, project report preparation
		Develop essentials of a project methodology
		Students can go process of planning components of good planning
		Ability to Start project direction, project communication, project control.
P16MCPW	PROJECT WORK	Students will be able to gather information about the chosen topic
		To know about their topic related data and how to select Review of literature in different way
		Choose Correct Research Methodology for their Research Work and data collection
		Use suitable tools and interpret the data collection
		Communicate and report effectively project-related activities and findings.



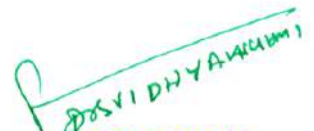
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M.Phil, Commerce		
SEMESTER - I		
SUB. CODE	SUBJECT	DESCRIPTION
M18COM1	Research Methodology	To Demonstrate the ability to choose methods appropriate to research aims and objectives
		To identify the overall process of designing a research study from its inception to its report.
		To develop skills in qualitative and quantitative data analysis and presentation.
		To develop advanced critical thinking skills.
		To familiar with ethical issues in educational research, including those issues that arise in using quantitative and qualitative research.
M18COM2	Advanced Functional Management	To analyse HRM functions, principles, Job analysis that facilitates students to design a job description and job specification for various levels of employees.
		To study the overall role and importance of the finance function.
		To understand the process of conducting marketing research and develop some solutions to real life problems.
		To acquire the theoretical and practical knowledge in the field of investments.
		To know the role and function of the financial system in reference to the macro economy.
M18TLS4	Teaching and Learning Skills	Develop skills of ICT and apply them in Teaching Learning context and Research.
		Develop communication skills with special reference to Listening, Speaking, Reading and Writing
		Develop adequate skills and competencies to organize seminar/conference/workshop/symposium/panel discussion.
		Develop different teaching skills for putting the content across to targeted audience.
		Appreciate the role of ICT in teaching, learning and Research.



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Department of Tamil
Part 1 Tamil

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16LCT1	Part 1 Tamil - Paper 1 Cheyyul, uranadai, sirukadhai, Ilakkiya varalaaru	<ul style="list-style-type: none"> ▪ Learning and understanding the development of modern literature.. ▪ Understand the kinds of modern literature and the development of modern literature.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16LCT2	Part 1 Tamil - Paper 2 Cheyyul, pudhinam , ilakkiya varalaaRu	<ul style="list-style-type: none"> ▪ Learning and understanding the medieval literature and to know the impact of religious literature through the ages ▪ Learn about the history and culture of Tamilnadu and contribute to Tamil arts. ▪ Analyzing the traditional norms of the Tamil people. ▪ Evaluate the art forms of the Tamil people. ▪ Impart spiritual and religious ideas in the learners.
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16LCT3	Part 1 Tamil - Paper 3 Cheyyul, Nadagam Ilakkiya varalaaru	<ul style="list-style-type: none"> ▪ Learning and understanding the early epics of Tamil and to know the society of medieval period. ▪ Understand the different types Tamil epics. ▪ Know the influence of religion in the Tamil epics.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16LCT4	Part 1 Tamil - Paper 4 Cheyyul (Pazhanthamizh) Ilakkiya varalaaRu	<ul style="list-style-type: none"> ▪ Learning and understanding the early texts of Tamil and to know its historical values. ▪ Understand the Sangam Literature as a wealth of Tamil cult. ▪ Understand the Classical value of Tamil language by the literature.



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திருச்சிரப்பள்ளி - 2.



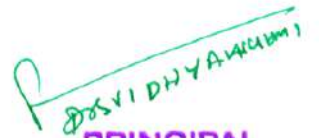
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Department of Tamil

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16LCBT1	Basic Tamil I	<ul style="list-style-type: none"> ▪ Learning and understanding the Tamil Letters. ▪ Learning and understanding the Tamil Letters Pronunciation. ▪ Understand the kinds of Words. ▪ Know how to frame words.
16LCBT2	Basic Tamil II	<ul style="list-style-type: none"> ▪ Learning and understanding the early epics of Tamil and to know the society of medieval period. ▪ Understand the different types Tamil epics. ▪ Know the influence of religion in the Tamil epics.
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16LCST1	Special Tamil I	<ul style="list-style-type: none"> ▪ Learning and understanding the early epics of Tamil and to know the society of medieval period. ▪ Understand the different types Tamil epics. ▪ Know the influence of religion in the Tamil epics.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16LCST2	Special Tamil II	<ul style="list-style-type: none"> ▪ Learning and understanding the early texts of Tamil and to know its historical values. ▪ Understand the Sangam Literature as a wealth of Tamil cult. ▪ Understand the Classical value of Tamil language by the literature.



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Department of Tamil

Programme Title: B.Litt (Tamil Literature)

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16LCCLT1	Ikkaala ilakkiyam	<ul style="list-style-type: none"> ▪ Understand the kinds of modern literature and the development of modern literature. ▪ To recognize the poet's poetry and ideas adopted in Traditional culture. ▪ To learn about the instances in the family structure. ▪ To explore the social values of short stories.
16LCCLT2	Nannool - Eluthathikaram	<ul style="list-style-type: none"> ▪ Study of Tamil grammar (alphabets and Sandhi) in the medieval period and the impact of it through the ages. ▪ And to follow flawless grammar in communication.
16LACLT1	OOdakaviyal	<ul style="list-style-type: none"> ▪ To learn about the use and the role of magazines. ▪ To understand the orgins of newspapers . The types and the role of magazines in war for freedom. ▪ To evaluate forms of magazines, involving feature films, caricatures and advertising types. ▪ To know the laws related to Journalism and its administrative structure.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16LCCLT3	Chitrilakkiyam	<p>Understand the different genres of Tamil and the literature developed based on these.</p> <p>Understand impact of Bhakthi movement in the development of genres.</p>
16LCCLT4	Nannool - Sollathikaram	<p>Study of Tamil grammar (Words and sentences) in the medieval period and the impact of it through the ages.</p> <p>And to follow flawless grammar in communication.</p>


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PRINCIPAL
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Department of Tamil

Programme Title: B.Litt (Tamil Literature)

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16LACLT2	Thamil illakkiya Varalaru	<ul style="list-style-type: none">Understand the History of Tamil Cult.Analyze the prehistoric evidences in the Tamil landKnow the socio- economic status of common people.Understand the changes in Arts and literature in various rulers.To relate the Cherar, Chola, Pandias warfare, politicalsitions and temple functions.To learn about the culture and history of Tamil Nadu.
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16LCCLT5	Samaya Ilakkiyam	<ul style="list-style-type: none">Understand the role of Bhakthi movement in Tamil land.Understand the development of religious lite.
16LCCLT6	Nambi Agapoorul, Purapoorul Venbamalai	<ul style="list-style-type: none">Understand the Porul -grammar and iths types Agam and puram.Know the importance of this classification.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16LACLT4	Kappiyam	<ul style="list-style-type: none">Analyze the importance of Silapathikaram based on family values.Evaluate how women are elevated to the stature of Goddesses.Develop a humanitarian spirit.Learn how to attain God's love through purity.
16LACLT4	Tolkappiyam Eluthathikaram - Elampuranam	<ul style="list-style-type: none">Study of ancient Tamil grammareluthu (alphabets and Sandhi) Know the ancient Tamil grammar tradition. Know the impact of tholkappiyam in Tamil grammar history.
16LACLT4	Padaippu Ilakkiyam	<ul style="list-style-type: none">Know the specific qualities to become an author.Know the individual personality development.

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Department of Tamil

Programme Title: B.Litt (Tamil Literature)

SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16LCCLT9	Ara Ilakkiyam (Thirukkural neengala)	<ul style="list-style-type: none"> ▪ Understand the need of Moral thoughts to the society. ▪ Know the prolong tradition of Moral literature. ▪ Know the human values expressed in the Ara Ilakkiyam.
16LCCLT10	Yapparungalakka arigai	<ul style="list-style-type: none"> ▪ Understand the prosody and rhetoric concepts of Tamil Practice to compose poems.
16LCCLT11	Thandiy - alangaaram	<ul style="list-style-type: none"> ▪ Gain knowledge about grammer and its characteristics ▪ Learn psychodynamic and psychological Literature ▪ Learn about the feminine characteristics through illustrations, images and parables. ▪ Able to identify Collective nouns, feminine and masculine gender. ▪ Learn about Uvamai, Urubugal, Uvamaboli .
16LCCLT12	Tolkappiyam Sollathikaaram- Elampuranam	<ul style="list-style-type: none"> ▪ Learn to review the paper, Gender, Number, Location, Case, Question and answer. ▪ Learn the names of different images and its discriminations. ▪ Evaluate the grammer of the verbs, hypothetical usage and its noun types. ▪ Understand and use words, terms and expressions from the Tamil language.
16LMBELT1	Thamizhlin Chemmozhi Panpugal	<ul style="list-style-type: none"> ▪ Understand the importance classical status to the Tamil Language. ▪ Know the qualities of classical language Know the classical literatures of Tamil.


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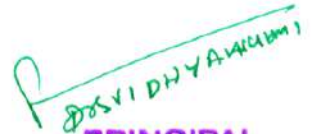
Department of Tamil

Programme Title: B.Litt (Tamil Literature)

SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16LCCLT13	Thirukural	<ul style="list-style-type: none">Understand the Thirukkural world literature.Know the influence of Thirukkural in tamil literature.Know the moral values and follow them.
16LCCLT14	Pandaiya Ilakkiyam	<ul style="list-style-type: none">Understand the Sangam Literature as a wealth of Tamil cult.Understand the Classical value of Tamil language by the literature.Know the agam and puram concept expressed in the literature.Know the content and form of early Tamil texts.Develop a nature and loving attitude.
16LCCLT15	Tholkappiyam Porulathikaram	<ul style="list-style-type: none">Study of ancient Tamil grammar Porul (agam - puram concept and literary theories).Know the ancient Tamil grammar tradition.Know the impact of tholkappiyam in Tamil grammar history.
16LMBELT2	Kalvettiyal	<ul style="list-style-type: none">Understand the role of Inscriptions in Tamil history Know the various types of inscriptions in various era.Understand the Tamil society through the Inscriptions.
16LMBELT3	Nadagaviyal	<ul style="list-style-type: none">Understand the social problems faced by dramatists.Evaluate the social risks in society Understand how Bharthidasan's works bring out the themes of friendship, charity, leadership skills.Understand and analyse how humanity is greater than ReligionLearn to improve the individual talents in students.



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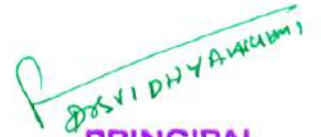
Department of Tamil

Programme Title: M.A. (Tamil Literature)

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16TA11	Ikkala Ilakkiyam-I	<ul style="list-style-type: none"> Understand and acquire knowledge of the major literary forms of modern Tamil literature through some representative works of the period.
P16TA12	Ikkala Ilakkiyam-II	<ul style="list-style-type: none"> To recognize the poet's poetry and ideas adopted in traditional culture. To learn about the instances in the family structure. To recognize and explain the Biography of Buddha. To explore the social values of short stories. To explore the social values of novels and develops creative skills.
P16TA13	Chitrilakkiyam	<ul style="list-style-type: none"> Understand the concept of Tamil genres. Know the traditions of genres by content, number of verses, prosody and folk forms.
P16TA14	Tholkappiyam - Eluthathikaram	<ul style="list-style-type: none"> Understand the important of Tholkappiyam in the Tamil eluthilakkanam tradition. Know the major grammatical features of Tholkappiyam which applicable to modern theory. Know the phonemic pattern and Sandhi of early period.
P16TAE1	kanini Tamil	<ul style="list-style-type: none"> To learn about the usages of Kanini Tamil Language its types. To learn to write in a sentence keeping in mind the rules of Kanini tamil. Understand the different types Tamil Kanini Key word and Tamil fonts.



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Department of Tamil
Programme Title: M.A. (Tamil Literature)

SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
RP16TA21	Samaya Ilakkiyam	<ul style="list-style-type: none">Understand the reasons behind the huge amount of Tamil Bhakthi Literature.Know the contributions of Bhakthi movement to the literature.Know the literary genres exposed by Samayam literature.
RP16TA22	Kappiya Ilakkiyam	<ul style="list-style-type: none">Understand the different types Tamil epics. Know the influence of religion in the Tamil epics.Understand the anthropological view of culture.Know the changes of Tamil cult through the ages.
P16TA23	Ara Ilakkiyam	<ul style="list-style-type: none">Understand the concept of Morality Know the contributions of Tamil moral poems to the world.
P16TA24	Tholkappiyam Sollathikaram	<ul style="list-style-type: none">Understand the important of Tholkappiyam in the Tamil <i>sollilakkanam</i> tradition.Know the major grammatical features of Tholkappiyam which applicable to modern theory.Know the types of words and syntactical pattern of early period.
P16TAE2	Oppilakkiyam	<ul style="list-style-type: none">Understand the various concepts comparative literature.Know the inter relation of literature of various languages.


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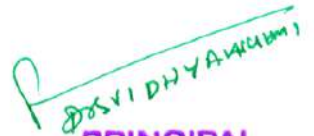

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Department of Tamil
Programme Title: M.A. (Tamil Literature)
SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
P16TA31	Sanga illakkiyam - I	<ul style="list-style-type: none"> ▪ Understand the Sangam Literature as a wealth of Tamil cult. ▪ Understand the Classical value of Tamil language by the literature. ▪ Understand the forms of the ancient Literature.
P16TA32	Sanga illakkiyam - II	<ul style="list-style-type: none"> ▪ Develop a nature and loving attitude. ▪ Understand the relationship with other organisms and living a good life. ▪ Learn the noble attitude of protecting oneself, regardless of one's misery. ▪ Learn to forgive others and thank others for the timely help. ▪ Learnto practice virtue and good culture.
P16TA33	Oppittu Nokkil Ulaga Chemmozhikal	<ul style="list-style-type: none"> ▪ Understand the basicconcepts of Linguistics with special relevance to Tamil language ▪ Know the difference between traditional grammars and linguistics
P16TA34	Tholkappiyum porulathikaram (1-5 eyalkal)	<ul style="list-style-type: none"> ▪ Understand the Tamil literary traditions based on Tholkappiyam porulathikaram. ▪ Know the agam and puram theories and content of literature of early Tamil.
P16TAE3	Nattupuraviyal	<ul style="list-style-type: none"> ▪ Understand the Folk cult of Tamilnadu Know the folk literary forms and their influence in other forms of literature. ▪ Know the socio economical status of common people through their oral Literature.
P16TA31	Sanga illakkiyam - I	<ul style="list-style-type: none"> ▪ Understand the Sangam Literature as a wealth of Tamil cult. ▪ Understand the Classical value of Tamil language by the literature. ▪ Understand the forms of the ancient Literature.



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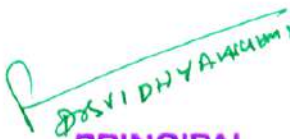
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Department of Tamil
Programme Title: M.A. (Tamil Literature)

SEMESTER - IV


Course code	SUBJECT	COURSE OUTCOME
P16TA41	Ilakkiya kolgaikalum Thiraniyugalum	<ul style="list-style-type: none"> ▪ Understand the evolution of modern literary criticism through representative works in the field of literary criticism. ▪ Know the modern and emerging theories of literary criticism. ▪ Know the literary theories of early Tamil.
P16TA42	Tholkappiyum porullathikaram (pinnanku eyalkal)	<ul style="list-style-type: none"> ▪ Understand the Tamil literary traditions based on Tholkappiyam porulathikaram. ▪ Know the elements of literature described in Tholkappiyam.
P16TAE4A	Saivamum, Tamilum	<ul style="list-style-type: none"> ▪ Learn to grow through the twelve Thirumuraigal of religion. ▪ Evaluate the devotional literature through Sivan songs. ▪ Learn to review the devotional songs. ▪ Learn the lyrics of spiritual songs. ▪ Explore the excellence of learning shorthand.
P16TAE5A	Penniyum	<ul style="list-style-type: none"> ▪ Understand the literature which deal with gender consciousness. ▪ Appreciate the variety of themes and narrative techniques found in literature which deal with gender consciousness. ▪ Know the struggle of women worldwide and the origin of feminism.
P16TAPW	Project Work	<ul style="list-style-type: none"> ▪ Practice the methods and techniques of research in language and literature. ▪ Undertake research projects in a primary level in order to gain practical experience in doing research in language and literature.


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Department of Tamil
Programme Title: M.Phil., (Tamil Literature)

Course code	SUBJECT	SEMESTER - I COURSE OUTCOME
M18TA1	Aaraichi nerimuraigal	<ul style="list-style-type: none"> Understand the different approaches to Research. Analyze the problem of research. Study the different methodologies of research. Develop the skill of data collection. Learn how to write a Dissertation.
M18TA2	Thamizhaivu varalarum valarchiyum	<ul style="list-style-type: none"> Learn about the history and culture of Tamilnadu and contribute to Tamil arts. Analyzing the traditional norms of the Tamil people. Evaluate the art forms of the Tamil people. Impart spiritual and religious ideas in the learners. Understand the influence of the culture and lifestyles of foreign culture upon the Tamil people.
M18TLS3:1	Karpithal Katral thirangal	<ul style="list-style-type: none"> Understand the importance of the Computer. Application of communication network in information technology. Develop individual skills in teaching and learning. Develop communication skills.
M18TA4	Neriyalar thal	<ul style="list-style-type: none"> Study the ways of doing research. Review of Literature will be reviewed. Develop their creativity and focus on solving the research problem Know the phonemic. Doing a scholarly research.



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SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCBC1	CC - I - Biomolecules	<p>At the end of the course students will able to</p> <ol style="list-style-type: none"> 1. Know and understand the structure, properties and biological functions of carbohydrates with examples. 2. Know, understand and draw the basic structure of amino acids, peptides, proteins, four structure levels of proteins and their properties. 3. Understand the classification, structure, functions, characterization and biological significance of lipids, phospholipids, sphingolipids, glycolipids, lipoproteins, steroids and prostaglandins. 4. Explain the classification, Source, structure, biological role, daily requirement and deficiency manifestation of vitamins. 5. Know, understand and describe the basic structure and functional role of nucleic acids.
16SCCBC1P	Core Practical I - Biomolecule	<p>At the end of the practical course the students will able to</p> <ol style="list-style-type: none"> 1. Understand principles, theor, calculations and gain practical skill on each experiment. 2. Gain technical experience, handling of weighing balance, microscope and gain hands on preparation of all the solutions and to standardise solutions individually. 3. Perform qualitative and quantitative analysis of carbohydrates, amino acids, and lipids. 4. Gain technical knowledge in the estimation of ascorbic acid. 5. Gain technical experience in the characterization of oils - acid number. 6. saponification number, Iodine value.

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SEMESTER - I

Course code	SUBJECT	COURSE OUTCOME
16SACCH1	First allied course-I- Chemistry-I	At the end of the course students will able to 1. Understand various theories of coordination chemistry and Industrial chemistry. 2. Learn the various concepts of resonance and halogen compounds. 3. Know the properties of aromatic compounds and organic reactions 4. Explain the concepts of solid state chemistry and Phase rule. 5. Learn about chemical equilibrium and chemical kinetics.
16SACCHIP	First allied Practical II- Chemistry-II- Chemistry- (P)	At the end of the practical course the students will able to 1. Understand the use of graduated cylinders, graduated pipettes and volumetric pipettes for volumetric measurement and titrations 2. Learn the methods for calibration and sampling applied quantitative analysis 3. Acquire knowledge about the characterization of functional groups. 4. Familiarize the solubility nature of organic substances of different functional groups.

SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
16SACCH1	First allied course-I- Chemistry-II	At the end of the course students will able to 1. Understand nuclear chemistry and metallic bond 2. Learn the properties and applications of carbohydrates. 3. Understand the chemistry of heterocyclic compounds. 4. Learn about stereoisomerism. 5. Know the basic concepts of polymers.

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SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCBC2	Human Physiology	At the end of the course the students will be able to. <ol style="list-style-type: none"> 1. Understand the fundamental mechanisms of body fluids, composition, functions, osmolarity, ionic composition, electrolytes, body buffers and blood cells. 2. Know and understand the structure and functions of heart, blood vessels, and lungs 3. Draw and understand the anatomy of the digestive system, composition and functions of salivary, gastric and biliary Secretion and digestion and absorption of carbohydrates, lipids and proteins. 4. Understand the the Structure, functions of Excretory system and muscular system 5. Understand the Structure, functions of the central nervous system- General organisation and biochemical aspects of learning and memory.
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCBC3	Biochemical Techniques	At the end of the course students will able to <ol style="list-style-type: none"> 1. Gain deep knowledge on the principles, instrumentation and applications of colorimetry, and UV-Vis spectrophotometer, spectrofluorimeter, flame photometry 2. Know and understand the principle, method and applications of paper, thin layer, ion exchange, affinity, gel permeation and gas liquid chromatography. 3. Gain deep knowledge on the types, methods and applications of centrifugation techniques 4 Understand the principles, types, methods and applications of electrophoretic techniques. 5. Gain knowledge on the radio isotopic techniques, measurements, types, applications, and hazards of radioactivity.

16SCCBC2
 Human Physiology
 16SCCBC3
 Biochemical Techniques

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SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SACBIO1	Allied Biology I	At the end of the course students will able to 1. Understand the basics of atoms and molecules. know the fundamental structure and functions of biomolecules. 2. Know the outline of the cell membrane and its properties. 3. Gain knowledge regarding the structure and functions of cellular organelles and cell cycle. 4. Explore the developmental processes in plants. 5. Describe plant development biology related to fertilisation, morphogenesis and flowering.
16SCCBC2P	Core Practical II	At the end of the practical course the students will be able to. 1. Gain skill on the preparation of buffers and measurement of pH. 2. Understand the concept and calculation of BMI. 3. Estimate colorimetrically the amount of compounds present in the sample. 4. Separation and identification of compounds by chromatographic techniques. 5. Able to separate plant pigments by chromatographic techniques.
16SACBIO1P	Allied Practical II	At the end of the practical course the students will be able to. 1. Identify and analyse microbial, plant and cell specimens. 2. Understand the working principle of microscope and staining techniques. 3. Know the basic knowledge of mitosis and meiosis using permanent slides. 4. Explore the growth curve of microorganisms. 5. Determine the physico-chemical parameters of the aquatic environment.


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Course code	SUBJECT	SEMESTER - IV COURSE OUTCOME
16SCCBC4	Enzymes	<p>At the end of the course students will able to</p> <ol style="list-style-type: none"> 1. Understand the structure, functions and classifications of enzymes and coenzymes. 2. Understand, derive enzyme kinetics and explain the types of inhibition 3. Gain knowledge regarding isolation and purification of enzymes 4. Understand the mechanism of enzyme action 5. Describe the multienzyme complex, principles and applications of immobilised enzymes.
16SNMEHA1	NON MAJOR ELECTIVE - I Health and Disease	<p>At the end of the course students of other major will able to</p> <ol style="list-style-type: none"> 1. Understand biological specimen collection, and preservatives. Gain knowledge on maintenance of acid base balance in the body. 2. Gain basic knowledge in disorders of carbohydrate metabolism like diabetes mellitus 3. Gain basic knowledge on clinical features of disturbance in lipid and Proteins metabolism. 4. Interpret the disorders of liver, kidney and heart based on marker enzyme levels. 5. Explain on cancer, gall stones , ulcer, thyroid disorders.
16SACBIO2	Allied Biology II	<p>At the end of the course the students will be able to.</p> <ol style="list-style-type: none"> 1. Understand the concepts of living systems and classification of plants, animals and microorganisms. 2. Elaborate on the principles of mendelian concepts and inheritance. 3. Study the physiology of plants and know the pathways of plant metabolism. 4. Understand the knowledge about the environment, study of mineral cycling and various ecosystems. 5. Brief the basic concepts of evolution, mutation and time scale.

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SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SNMEHA 2	NON MAJOR ELECTIVE - II Hospital Management	<p>At the end of the course the students of other major will be able to.</p> <ol style="list-style-type: none"> 1. Understand the basic principles and modules of hospital management. 2. Explain the management and functions of various diagnostic laboratories in the hospitals. 3. Explain the classification and Characteristics health care services in hospitals. 4. Understand the importance of blood bank, pharmacology, and management softwares. 5. Differentiate the facilities available in modern hospital, speciality and multispeciality hospitals. 6. Interfacing of analyzer. Pathology lab management. Radiology,
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCBC5	Bioenergetics & Metabolism	<p>At the end of the course the students will be able to.</p> <ol style="list-style-type: none"> 1. Explain the role of free energy and importance of high energy phosphate compounds, enzymes involved in biological oxidation. 2. Illustrate the mechanism of oxidative phosphorylation and the Electron transport chain. 3. Know and understand the metabolic pathways involved in carbohydrate metabolism. 4. Outline and understand the metabolic pathway involved in Lipid metabolism and Ketogenesis. 5. Illustrate the pathway involved in Protein, nucleic acid and porphyrins metabolism.
16SCCBC6	Cell and Molecular Biology	<p>At the end of the course the students will be able to.</p> <ol style="list-style-type: none"> 1. Understand the origin and evolution of cells. Structure and functions of cell membranes. 2. Understand cell differentiation and know about plant and animal cell organelles. 3. Explore DNA as genetic material, replication and repair mechanism. 4. Describe DNA transcription in prokaryotes and Eukaryotes. 5. Know about DNA translation and gene regulation.

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SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCBC7	Microbiology	<p>At the end of the course the students will be able to.</p> <ol style="list-style-type: none"> 1. Understand the different kinds of microorganisms and factors affecting its growth. 2. Gain basic information about classification and features of fungi and viruses. 3. Know the information on Food spoilage, Food Preservation and dairy microbiology. 4. Discuss about infection and its transmission. knowledge about antimicrobial agents. 5. Describe the working principle and examination of various microscopes
16SMBEBC1	Pharmaceutical biochemistry	<p>At the end of the course the students will be able to.</p> <ol style="list-style-type: none"> 1. Explain the fundamentals in pharmacology. understand basic terms in drugs, routes of administration, and the classification of drugs. 2. Know and understand the Drug - receptors mediated interactions and non receptors mediated interactions. 3. Explain the key concepts underlying the drug metabolism - phase I and II reactions. 4. Understand how the body responds to anticancer drugs. 5. Understand how drugs act on different systems in the body and drug abuse.
16SCCBC3P	Core practical- III Food and Enzyme Biochemistry (P)	<p>At the end of the practical course the students will be able to.</p> <ol style="list-style-type: none"> 1. Gain knowledge regarding moisture and ash content of food materials. 2. Estimate the amount of biochemical parameters in food samples. 3. Determine the specific activity of salivary amylase and phosphatases.

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SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCBC8	Immunology	<p>At the end of the course the students will be able to.</p> <ol style="list-style-type: none"> 1. understand the structure of lymphoid organs. Types of cells present in the immune system and its mechanism. 2. Know about types of immunity and its classification. 3. Describe the structure, types and biological functions of immunoglobulins. 4. Understand the concepts of hypersensitivity and Transplantation immunology.. 5. Illustrate techniques related to immunology, principle and working procedure.
16SCCBC9	Clinical Biochemistry	<p>At the end of the course the students will be able to.</p> <ol style="list-style-type: none"> 1. Understand the basic concepts of units used in clinical biochemistry, biological specimen collection, and preservatives. Gain knowledge on blood coagulation, its related disorders, and blood banking. 2. Discuss homeostasis of body fluids, liver and kidney function tests. 3. Gain knowledge in disorders of carbohydrate metabolism. 4. Understand and interpret the disorders of protein, amino acid and nucleic acid metabolism. 5. Gain knowledge on clinical features of disturbance in lipid metabolism
16SMBEBC2	Endocrinology	<p>At the end of the course students will able to</p> <ol style="list-style-type: none"> 1. Discuss the definition of a hormone in terms of its general properties. Describe the different classes and chemical structures of hormones. 2. Explain the glands, organs, tissues and cells that synthesize and secrete thyroid hormones, 3. Explain about the secretion and regulation of pituitary hormones. Consequences of under- and overproduction of pituitary hormones. 4. Explain about the secretion and regulation of pancreatic hormones. Consequences of hypo- and hyper of pancreatic hormones. 5. Describe the secretion and regulation of pancreatic hormones. Consequences of hypo- and hyper of adrenal and reproductive hormones.


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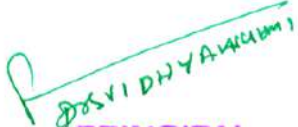
Course code	SUBJECT	SEMESTER - VI
16SMBEBC3	Basic Biotechnology	<p>COURSE OUTCOME</p> <p>At the end of the course students will able to</p> <ol style="list-style-type: none"> 1. Illustrate the various aspects of Biotechnological applications in Fermentation Industries. Describe the principles underlying design of fermenters, fermentation process and downstream processing and fermentation products. . 2. Understand the methods in food biotechnology and production of enzymes - amylase and protease. 3. Understand the methods to introduce the foreign DNA into the host cells and the working principle of instruments involved in this method. 4. Explain the applications of transgenic plants and animals. 5. Understand the biological fuel generation. Explain the IPR and handling of GMO's
16CCBC	Core practical IV- Haematology and Clinical Biochemistry (P)	<p>At the end of the practical course the students will be able to.</p> <ol style="list-style-type: none"> 1. Gain Knowledge on Collection, preservation and in blood & urine. 2. Understand the principles, estimation, determination, calculations and interpretations of experiments related to complete blood count. 3. Gain Knowledge on Qualitative analysis of Abnormal constituents present in the urine. 4. Quantitative analysis Biochemical components in blood & urine.

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SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16BC11	Chemistry of Biomolecules	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand the source, chemical structure, properties, function and uses of various polysaccharides. 2. Understand amino acid structures, their physical and chemical properties, 3. Explain primary, secondary, tertiary and quaternary structure of protein 4. Comprehend the classification, structure and biological significance of lipids. 5. Explain the structure of nucleic acids and its chemical synthesis.
P16BC12	Analytical techniques	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand the working principle of pH meter, biological role of buffers, and protocol for the purification of compounds. 2. Familiar with working principles, instrumentation and applications of various chromatographic techniques. 3. Understand the types and principle of centrifugation. Also the basics of radioisotopes and the biological applications of isotopes. 4. Familiar with working principles, instrumentation and applications of various electrophoretic techniques. 5. Familiar with working principles, instrumentation and applications of various spectrophotometry.


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SEMESTER - I

Course code	SUBJECT	COURSE OUTCOME
P16BC13	Enzymes And Enzyme Technology	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Explain the classification, isolation of enzymes and basic units of enzyme activity. 2. Understand the basic laws of thermodynamics and synthesis of energy rich molecules by mitochondria and chloroplast. 3. Understand the kinetics of enzyme catalysed reactions and the types of enzyme inhibition. 4. Interpret the structure/function interaction of an enzyme catalysed reactions, coenzymes and multienzyme complex. 5. Comprehend the application of enzymes in medicine, food industry and paper industry.
P16BC14	Cell Biology and Physiology	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand the structure and functions of tissues and cell junctions. 2. Explain the transport of molecules across various membrane bound channels and stages of cell cycle. 3. Understand the composition of blood. Able to draw the various types of blood cells. Familiar with functions of blood cells and the mechanism of blood coagulation. 4. Explain the functions and composition of body fluids & digestive juices and, formation of urine, Understand the structure and functions of neuromuscular junctions, synopsis and role of neurotransmitters.
P16BC15P	Practical - I (Biochemical Techniques and Enzymology)	<p>At the end of the practical course the students will able to</p> <ol style="list-style-type: none"> 1. Assay the activity of enzymes from different sources. 2. Integrate the structure, function and kinetics of enzyme. 3. Estimate the amount of biochemical compounds in samples. 4. Perform the separation of aminoacids and lipids by chromatography techniques. 5. Perform the separation of proteins by electrophoresis and dialysis.

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PG Biochemistry		
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16BC21	Metabolism and Regulation	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Learn bioenergetics and integration of biomolecules that take place in the human system. 2. Integrate the various aspects of carbohydrate metabolism & their regulatory pathways 3. Understand the fundamental energetics of Lipid metabolism. 4. Understand the metabolism of amino acids and nucleic acids. 5. Figure out the processes of metabolic integration and Hormonal control.
P16BC22	Molecular Biology	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Learn the structure, function and molecular mechanism of the genetic material. 2. Students were able to describe the general principles of replication and recombination in both prokaryotic and eukaryotic organisms. 3. Learn the basic concepts of transcription and regulation in both prokaryotic and eukaryotic organisms. 4. Enumerate the mechanism of translation and post translational modification in both prokaryotic and eukaryotic organisms. 5. Know about chromosomal changes and its consequences, DNA repair mechanism, stages of cell cycle and cancer biology.
P16BC23P	Molecular and Microbial Techniques	<p>At the end of the practical course the students will be able to.</p> <ol style="list-style-type: none"> 1. Learn the skill of how to Isolate DNA from samples. 2. Students learn to handle all the equipment regularly that is used in DNA, RNA estimation, including balances, pipettes, electrophoresis and centrifuges and thereby obtain basic laboratory skills. 3. Learn the preparation of media, determination of bacterial growth curve 4. Understand the biochemical characterization of bacteria.


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SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
P16BCE1	Biostatistics	<p>Students will able to</p> <ol style="list-style-type: none"> 1. Describe various applications of biostatistics, sampling techniques, methods of collection of data and presentation of data. 2. Calculate and interpret measures of central tendency, Compute and interpret the result of correlation and regression analysis. 3. Calculate problems in probability and associated theorems. 4. Explain Sampling distribution and calculate the problems in tests of significance. Compare different population samples using ANOVA. 5. Apply the biostatistical concept in research. Understand the art of writing research articles and techniques of writing research proposals.
P16BCE2	Microbiology	<p>The students will able to</p> <ol style="list-style-type: none"> 1. Understand the morphology, ultrastructure, classification of bacteria, fungi, algae and protozoa. 2. Describe the microbial growth and metabolism. 3. Discuss the basic principle and working procedure of microbial techniques. 4. Outline the structure and classification of viruses and its mechanism. 5. Explain the transmission of diseases caused by microorganisms and study of broad spectrum antibiotics.

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PG Biochemistry		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16BC33P	Practical - III Clinical Biochemistry	The students will be able to. 1. Gain Knowledge on Collection, preservation and in blood & urine. 2. Understand the principles, estimation, determination, calculations and interpretations of experiments related to complete blood count, ESR, PCV etc 3. Gain Knowledge on Qualitative analysis of Abnormal constituents present in the urine. 4. Quantitative analysis Biochemical parameters in blood & urine.
P16BCE3	Genetic Engineering	1. To understand the basic concepts of Gene cloning and isolation of DNA. 2. Know the types of cloning vectors 3. Gain knowledge about cDNA, genomic libraries and procedure of blotting 4. Understand the methods of gene transfer and techniques 5. Describe the applications of rDNA technology
P16BCE4	Developmental Biology	1. To know the cellular basis of development 2. understand the basic concept of fertilization 3. Explain the principles of organogenesis in plants and animals 4. Understand the implications of Developmental biology and genetic disorders.

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PG Biochemistry		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16BC31	Immunology	<p>Students able to</p> <ol style="list-style-type: none"> 1.Explain the structure and functions of immune cells, lymphoid organs, antigens and antibodies. 2.Describe the mechanism of humoral and cell mediated immunity. 3.Explain how an Immunological response is triggered and regulated. Describe how the immune system is able to discriminate between self vs. non-self. And the mechanism of transplantation and graft rejection. 4.Understand the principles governing vaccination and the mechanisms of protection against infectious diseases 5.Principles and applications of various immunology techniques like immunofluorescence, western Blotting, ELISA, etc. Understand the experimental animal models
P16BC32	CC- VIII - Clinical Biochemistry	<p>Students able to</p> <ol style="list-style-type: none"> 1.Gain knowledge on clinical features of disorder of carbohydrate and lipid metabolism. 2.Understand and interpret the disorders of amino acid, nucleic acid metabolism and tests related to serology. 3. Gain and understand the tests and disorders related to Liver function and gastric functions. 4.Know and understand the tests and disorders related to kidney function and interpretation of clinical enzymology. 5.Gain knowledge on morphology, markers, agents, causes for the development of cancer cells.

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PG Biochemistry		
Course code	SUBJECT	SEMESTER - IV COURSE OUTCOME
P16BC43P	Core Practical IV	<p>At the end of the practical course the students will be able to.</p> <ol style="list-style-type: none"> 1. Identify and estimate the phytochemicals. 2. Determination of Antibacterial activity 3. Analysis of in vitro antioxidants . 4. Knowledge about the estimation of mineral contents present in soil. 5. Know the techniques of Immunology like WIDAL, VDRL, Immuno-electrophoresis and skin prick test.
P16BCPW	Project Work	<p>At the end of the project exposure the students will be able to</p> <ol style="list-style-type: none"> 1. Understand what research is.. 2. Explore the hidden talents in them. 3. Aim and achieve goal 4. Reveals new ideas and facts. 5. Develop understanding and decision-making.

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PG Biochemistry		
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16BC41	Endocrinology	<p>The students will be able to.</p> <ol style="list-style-type: none"> 1. Understanding the mechanism of action and regulation of pituitary hormones. 2. Discuss the role of thyroid and parathyroid hormones and its regulatory mechanism. 3. Study the synthesis, regulation and pathophysiology of adrenal hormones. 4. Describe the functions and deficiency symptoms of GI and pancreatic hormones and study of foetal monitoring. 5. Understand the fundamental concepts of signal transduction and mechanism of receptor signalling.
P16BC42	Bioinformatics	<p>The students will be able to.</p> <ol style="list-style-type: none"> 1. Know the relationship between computer and life science. Study the history and scope of Bioinformatics. 2. Understand the organisation of protein structure and methods of prediction of 3D structure of proteins. 3. Describe the methods of sequence alignment, algorithms and scoring matrices. 4. Clear concept about protein visualisation tools. 5. Discuss the outline of functional genomics and prokaryotic and 2D databases.
P16BCE5	Ecology and Environmental Sciences	<p>The students will be able to.</p> <ol style="list-style-type: none"> 1. Study the physical and Biological characters of environment and relationship between biotic and abiotic components. 2. Understand the nature of communities, community structure and types of species diversity. 3. Discuss the concept of Ecological Succession, energy flow and mineral cycling. 4. Describe environmental pollution, changes in biodiversity and its management approaches. 5. Know about biogeography and conservation biology. Study of Biogeographic zones across India and its management.

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Department of Chemistry

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH1	GENERAL CHEMISTRY - I	<ul style="list-style-type: none"> ▪ Describe the arrangement of elements in the periodic table based on their electronic configuration, bonding, and properties ▪ Acquire knowledge about the theoretical aspects of volumetric, qualitative and quantitative analyses ▪ To learn the involvement of reactive intermediates and understand their structure and reactivity through various organic reactions. ▪ Explicates the structures, nomenclature and reactivity of Cycloalkanes, Alkenes, Dienes and Alkynes. ▪ Understand colloids, macromolecules and concepts behind catalysis and its applications.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH2	GENERAL CHEMISTRY II	<ul style="list-style-type: none"> ▪ Understand the common themes running through ionic, covalent and metallic descriptions of chemical bonding. ▪ Learn the fundamental principles of metallurgy of zero group elements and chemistry of S-block elements. ▪ Understand the aromatic character of benzene type molecules and discuss the reaction mechanisms involved in haloalkanes and halobenzenes. ▪ Explicates the structures, nomenclature and reaction mechanisms of alkyl and aryl halogen compounds. ▪ Understand the basic concepts of atoms, the effect of radiations and the significance of wave functions.

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Department of Chemistry

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH1P	VOLUMETRIC ANALYSIS (P)	<ul style="list-style-type: none"> ▪ Learn the techniques of titrimetric analysis. ▪ Familiar with safe-handling of chemical balance ▪ Know the estimation of several cations and anions. ▪ Know the estimation of total hardness of water.
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH3	GENERAL CHEMISTRY III	<ul style="list-style-type: none"> ▪ To provide elementary knowledge of s-block elements and its properties. ▪ To study the preparations and properties of the interhalogen compounds. ▪ Learn and apply the various concepts such as stereochemistry and fundamental principles of stereoselectivity in organic chemistry. ▪ To impart knowledge on states of matter - Gas, gas laws, properties of real gases and types of molecular velocities. <p>Understand the types, structure and properties of solids and liquid crystals.</p>
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH4	GENERAL CHEMISTRY IV	<ul style="list-style-type: none"> ▪ Explicates the general characteristics and properties of d and f block elements. ▪ To understand the reactions of organometallic compounds, ▪ Understand the Nomenclature and preparations of alcohols, phenols and ethers. ▪ Learn about the fundamental concepts of first law of thermodynamics, to relate heat, work and energy and to calculate work from pressure - volume relationships. ▪ To learn about the fundamental concepts of rate of the reaction, determination of order of the reaction and theories of reaction rates.


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Department of Chemistry

SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH2P	SEMIMICRO ANALYSIS (P)	<ul style="list-style-type: none"> ▪ Learn the techniques of semimicro qualitative analysis of inorganic salt mixtures. ▪ Familiar with elimination of interfering acid radicals.
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH5	INORGANIC CHEMISTRY - I	<ul style="list-style-type: none"> ▪ Understand the basics of coordination compounds. Acquire knowledge of various coordination theories. ▪ Study a few biologically important coordination Compounds. ▪ Learn the carbonyls and binary metallic compounds ▪ Understand the preparation and properties of nitrosyl compounds.
16SCCCH6	ORGANIC CHEMISTRY-I	<ul style="list-style-type: none"> ▪ Learn the reactivity of carbonyl compounds ▪ Acquire knowledge of carboxylic acids, amines and heterocyclic compounds. ▪ An in-depth study of Nitrogen compounds ▪ Understand the Chemistry of Heterocyclic compounds ▪ To know the requirement of the oxidizing and reducing agents for synthesis.
16SCCCH7	PHYSICAL CHEMISTRY - I	<ul style="list-style-type: none"> ▪ Understand the various concepts of photochemistry and group theory. ▪ Learn the second law of thermodynamics, carnot cycle, carnot theorem, entropy, free energy and Maxwell's relations. ▪ Learn the third law of thermodynamics, Van't Hoff isotherm, Clausius - Clapeyron equation and Nernst heat theorem. ▪ Understand the concepts of solutions. ▪ Understand the fundamental concepts of phase rule and its applications to one, two and three component systems.

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Department of Chemistry

SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SMBECH 1:1	ANALYTICAL CHEMISTRY	<ul style="list-style-type: none"> ▪ Know the storage and handling of various chemicals and first aid procedures. ▪ Learn data analysis, various separation techniques. ▪ Find out the gravimetric analysis and various thermo analytical methods. ▪ Learn visible spectrophotometry and colorimetry ▪ Discover the various electroanalytical techniques.
16SCCCH3P	PHYSICAL CHEMISTRY (P)	<ul style="list-style-type: none"> ▪ Perform potentiometric and conductometric titrations skill fully. ▪ Acquire knowledge about the variation of mutual solubility temperature with different concentration and determination of CST. ▪ Understand the method of determination of transition temperature and rate constant. ▪ Construct the phase diagram of simple eutectic system. ▪ Develop skills in procedures and instrumental methods applied in analytical and practical tasks of physical chemistry.
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCCH8	ORGANIC CHEMISTRY - II	<ul style="list-style-type: none"> ▪ Learn the chemistry of carbohydrates ▪ Acquire knowledge about Vitamins and Proteins ▪ Understand the fundamental concepts of Spectroscopy techniques for the elucidation of structure ▪ Understand the molecular rearrangements ▪ Learn the chemistry of alkaloids and terpenoids.
16SCCCH9	PHYSICAL CHEMISTRY - II	<ul style="list-style-type: none"> ▪ Learn the various concepts of electrochemistry. ▪ Know the types and theories of catalysis. ▪ Learn the adsorption isotherms. ▪ Understand the spectroscopic techniques such as IR, UV-visible, Raman and NMR. ▪ Understand the structural determination from Raman and IR spectroscopy.

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SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SMBECH2	NUCLEAR, INDUSTRIAL CHEMISTRY & METALLIC STATE	<ul style="list-style-type: none"> • Know the fundamentals of nuclear chemistry. • Understand the applications of nuclear chemistry. • Study the metallic bond, theories and applications. • Know the applications of inorganic polymers. • Attain knowledge about the industrial chemistry.
16SMBECH 3:1	POLYMER CHEMISTRY	<ul style="list-style-type: none"> • Distinguish the chemistry of polymers. • Comprehend the importance of polymers. • Study the concepts of polymerisation and techniques. • Understand the chemistry of commercial polymers. • Explore the advances of polymers.
16SCCCH4P	GRAVIMETRIC & ORGANIC ANALYSIS (P)	<ul style="list-style-type: none"> • Acquire knowledge about the characterization of organic functional groups. • Understanding the principles behind the gravimetric methods. • Learn the techniques of organic qualitative analysis. • Familiarize the solubility nature of organic substances of different functional groups. • Understand the techniques involving drying and recrystalliation by various methods. • Practice single stage preparation of organic compounds. • Perform common laboratory techniques, including reflux distillation, steam distillation and recrystallization. • Determine the physical constant of Melting point and Boiling point.

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Department of Chemistry

ALLIED COURSE		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SACCHI	ALLIED CHEMISTRY-I	<ul style="list-style-type: none"> ▪ Understand various theories of coordination chemistry ▪ Learn various concepts of resonance and halogen compounds ▪ Know properties of aromatic compounds and organic reactions ▪ Study the concepts of solid state chemistry, chemical equilibrium and chemical kinetics.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SACCH2	ALLIED CHEMISTRY-III	<ul style="list-style-type: none"> ▪ Understand nuclear chemistry and metallic bond ▪ Learn the properties and applications of carbohydrates, amino acids and proteins ▪ Know the basic concepts of polymers, heterocyclic compounds and stereo isomerism
16SACCH1P	VOLUMETRIC AND ORGANIC ANALYSIS	<ul style="list-style-type: none"> ▪ Understand the use of graduated cylinder, graduated pipettes and volumetric pipettes for volumetric measurement and titrations. ▪ Learn the methods for calibration and sampling applied to quantitative analysis. ▪ Acquire knowledge about the characterization of functional groups. ▪ Familiarize the solubility nature of organic substances of different functional groups.

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**Department of Computer Science,
Information Technology and Applications**

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
18UGVED	Value Education	<ul style="list-style-type: none"> To make the students realise the process by which people give moral values each other and their aims should be not only to understand the values, but also to reflect them in their attitudes and behaviour and contribute to society through good citizenship.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
19UGCES	Environment Studies	<ul style="list-style-type: none"> To enable the students to understand primary environmental problem and to learn skill required to research.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16RSBE10:1	Skill Based Elective -I Tourism and Travel Agency	<ul style="list-style-type: none"> To make the students understand that tourism is the travel not only for pleasure but also for business and also the theory and practice of touring
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16RSBE10:2	Skill Based Elective -II Cultural Tourism in India	<ul style="list-style-type: none"> To gain knowledge about cultural tourism which is the subset of tourism concerned with the life style of the people or the region's culture
16RSBE10:3	Skill Based Elective -I Tourism Product-3	<ul style="list-style-type: none"> To provide the students with the knowledge that focuses on facilities and services designed to meet the needs of the tourists.
RUGSDC	Soft Skills Development	<ul style="list-style-type: none"> To enable the students to improve the set of behaviour and personlity traits which include social graces, communication abilities, language skills, personal habits, time management, team work and leadership skills.
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
UGGS	Gender Studies	<ul style="list-style-type: none"> To enable the students to involve theirselves in examining how social structures including race, class, sexuality and other factors impact the lived experiences of men and women

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Bachelor of Computer Applications(BCA)		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCCA1	Core Course - I (CC) Programming in C	<ul style="list-style-type: none"> ▪ Making the students to impart basic knowledge of Programming Skills in C language. ▪ Apply and implement programs for solving real-world problems.
16SCCCA1P	Core Practical - I (CP) Programming in C Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in C Programming Language.
16SACMA1	First Allied Course I- (A C)Algebra and Calculus	<ul style="list-style-type: none"> ▪ To learn the Basic concepts in the integration, to solve the problems in theory of equations
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCCA2	Core Course - II (CC) Programming in C++	<ul style="list-style-type: none"> ▪ Making the students to impart basic knowledge of Programming Skills in C++ language. ▪ Apply the skills to write a C++ code using constructor , operator overloading and function overloading.
16SCCCA2P	Core Practical - II (CP) Programming in C++ Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in C++ Programming Language.
16 SACMA2	First Allied Course II(AC)-Numerical and Statistical Methods	<ul style="list-style-type: none"> ▪ To train the students in solving problem using Numerical methods and statistical tools.
16 SACMA3	First Allied Course III(AC)-Operations Research	<ul style="list-style-type: none"> ▪ To train the students to solve the assignment problems, transportation problems in network problems
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCCA3	First Allied Course III(AC)-Operations Research	<ul style="list-style-type: none"> ▪ To train the students to solve the assignment problems, transportation problems in network problems

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SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
16SCCCA3P	Core Course - III (CC) Programming in Java	<ul style="list-style-type: none">• Making the students to understand the basic concepts of Object Oriented Programming with Java language.• Analyse and interpret the use of multithreading , storage of data in files
16SACAOB1	Core Practical - III (CP) Programming in Java Lab	<ul style="list-style-type: none">• Making the students to impart Practical Training in Java Programming Language.

SEMESTER - IV

Course code	SUBJECT	COURSE OUTCOME
16SCCCA4	Core Course - IV (CC) Database Systems	<ul style="list-style-type: none">• Making the students to learn the basic concepts of the Database Systems including Data Models, Storage Structure, Normalization and SQL.• Apply the normalization procedure to design a suitable structure for a given situation.
16SCCCA4P	Core Practical - IV (CP) Database Systems Lab	<ul style="list-style-type: none">• Making the students to Impart Practical Training in MySQL.
16SACAOB2	Second Allied Course - II Computer Applications in Business	<ul style="list-style-type: none">• To enable the students to know the importance of computer application in business
16SACAOB3	Second Allied Course-III Organizational Behavior	<ul style="list-style-type: none">• To make the students to understand the behavior of employers in the organizational

SEMESTER - V

Course code	SUBJECT	COURSE OUTCOME
16SCCCA5	Core Course V - Data Structures and Algorithms	<ul style="list-style-type: none">• Making the students to understand the concepts of Data Structures and Algorithms.• Determine the importance of data structure to solve real-life problems.
16SCCCA6	Core Course VI - Operating Systems	<ul style="list-style-type: none">• Making the students to learn the Fundamental Concepts in an Operating System.• Evaluate the functions and features of modern operating systems.

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Bachelor of Computer Applications(BCA)		
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCCA7	Core Course VII - Digital Computer Fundamentals	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts in Digital Computer System. ▪ Demonstrate the logics of sequential and combinational circuits.
16SCCCA5P	Core Practical V - Computer Graphics and Animation Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in Computer Graphics and Animation related problems.
16SMBECA1:1	Major Based Elective - I - Computer Graphics	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts on basic Graphical Techniques, Raster Graphics, Two Dimensional and Three Dimensional Graphics, graphics applications, line drawing algorithms, use of geometric transformations, graphics display devices.
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCCA8	Core Course VIII - Computer Networks	<ul style="list-style-type: none"> ▪ Making the students to understand the Design and Organization of Computer Networks. ▪ Summarize the technical specifications of various layers of OSI model for network.
16SCCCA9	Core Course IX - Programming in PHP	<ul style="list-style-type: none"> ▪ Making the students to understand the Concepts of PHP and Ajax. ▪ Analyse and solve various database tasks using the PHP language.
16SCCCA6P	Core Practical VI - Programming in PHP Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in PHP Programming Language
16SMBECA2:1	Major Based Elective - II Cloud Computing	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts in Cloud Computing and its Security.

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Bachelor of Computer Applications(BCA)		
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SMBECA2:2	Major Based Elective - II Business Process Outsourcing	<ul style="list-style-type: none"> ▪ Making the students to learn the Knowledge about the working environment of Business Process Outsourcing Industry.
16SMBECA2:3	Major Based Elective - II Mobile Computing	<ul style="list-style-type: none"> ▪ Making the students to understand the Architectures, Synchronization Process and Operating Systems in Mobile Computing.
16SMBECAPW	Major Based Elective - III - Mini Project	<ul style="list-style-type: none"> ▪ Making the students to work on a project with a Latest Software.
16SMBECA1P	Major Based Elective - III -Dot net lab	<ul style="list-style-type: none"> ▪ Practical Training in Dot Net Programming Language. Create web pages for companies and colleges.
Bachelor of Computer Science		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCCS1	Core Course - I (CC) Programming in C	<ul style="list-style-type: none"> ▪ Making the students to impart basic knowledge of Programming Skills in C language. ▪ Apply and implement Programs for solving real-world problems.
16SCCCS1P	Core Practical - I (CP) Programming in C Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in C Programming Language.
16SACMA1	First Allied Course I- (A C)Algebra and Calculus	<ul style="list-style-type: none"> ▪ To learn the Basic concepts in the integration, to solve the problems in theory of equations

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Bachelor of Computer Science

SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
16SCCCS2	Core Course - II (CC) Programming in C++	<ul style="list-style-type: none">▪ Making the students to impart basic knowledge of Programming Skills in C++ language.▪ Apply the skills to write a C++ code using constructor , operator overloading and function overloading.
16SCCCS2P	Core Practical - II (CP) Programming in C++ Lab	<ul style="list-style-type: none">▪ Making the students to impart Practical Training in C++ Programming Language.
16 SACMA2	First Allied Course II(AC)-Numerical and Statistical Methods	<ul style="list-style-type: none">▪ To train the students in solving problem using Numerical methods and statistical tools.
16 SACMA3	First Allied Course III(AC)-Operations Research	<ul style="list-style-type: none">▪ To train the students to solve the assignment problems, transportation problems in network problems

SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
16SCCCS3	Core Course - III (CC) Programming in Java	<ul style="list-style-type: none">▪ Making the students to understand the basic concepts▪ of Object Oriented Programming with Java language.▪ Analyse and interpret the use of multithreading storage of data in files.
16SCCCS3P	Core Practical - III (CP) Programming in Java Lab	<ul style="list-style-type: none">▪ Making the students to impart Practical Training in Java Programming Language.
16SACAPH1	Second Allied Course - I Applied Physics - I	<ul style="list-style-type: none">▪ To bring out the subjects related with the computer field which help students to keep pace with these topics.

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Bachelor of Computer Science		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SACAPH2	Second Allied Course-II (AC) - Applied Physics - III	<ul style="list-style-type: none"> To understand the rapid growth of electronic technology and simplify the learning process to a greater extent
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCCS4	Core Course - IV (CC) Database Systems	<ul style="list-style-type: none"> Making the students to learn the basic concepts of the Database Systems including Data Models, Storage Structure, Normalization and SQL. Apply the normalization procedure to design a suitable structure for a given situation.
16SCCCS4P	Core Practical - IV (CP) Database Systems Lab	<ul style="list-style-type: none"> Making the students to Impart Practical Training in MySQL.
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCCS5	Core Course V - Data Structures and Algorithms	<ul style="list-style-type: none"> Making the students to understand the concepts of Data Structures and Algorithms. Determine the importance of data structure to solve real-life problems.
16SCCCS6	Core Course VI - Computer Networks	<ul style="list-style-type: none"> Create a new protocol and test its efficiency. Design a new network architecture using protocols and interfaces. Create a hybrid topologies using the existing topologies, and check in efficiency. Apply different encoding and decoding mechanisms involved in different types of transmission media and to measure the transmission impairments. Design a model internet with various categories of networks and test the transmission rate.
16SCCCS7	Core Course VII - Digital Electronics and Microprocessor	<ul style="list-style-type: none"> Making the students to provide an overview about Digital Electronics and Microprocessors. Demonstrate the logics of sequential and combinational circuits.

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Bachelor of Computer Science		
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCCS5P	Core Practical - Digital Electronics & Microprocessor Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training related to Digital Electronics and Microprocessors.
16SMBECS 1:1	Major Based Elective - I - Software Engineering	<ul style="list-style-type: none"> ▪ Learn the phases of software development ▪ Develop process models and process system models ▪ Gather, understand, analyze and specify requirements ▪ Develop architectural diagram, and implement by following coding principles ▪ Apply testing strategies and handle software product maintenance issues
16SMBECS 1:2	Major Based Elective - II - System Analysis and Design	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts in the Design and Analysis of the System. ▪ Develop plans for the new systems.
16SMBECS 1:3	Major Based Elective - III - Management Information System	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts Management Information Systems and their applications. ▪ Develop the knowledge about management of information systems.
16SMBECS 1:2	Major Based Elective - II - System Analysis and Design	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts in the Design and Analysis of the System. ▪ Develop plans for the new systems.
16SMBECS 1:3	Major Based Elective - III - Management Information System	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts Management Information Systems and their applications. ▪ Develop the knowledge about management of information systems.

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Bachelor of Computer Science		
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCCS8	Core Course VIII - Operating Systems	<ul style="list-style-type: none"> Allocate Main Memory based on various memory management techniques Compare Memory allocation using Best fit, Worst fit, and first fit policies Apply page replacement policies for dynamic memory management Schedule CPU time using scheduling algorithm for processors Compare various device scheduling algorithms
16SCCCS9	Core Course IX - Programming in PHP	<ul style="list-style-type: none"> Making the students to understand the Concepts of PHP and Ajax. Analyse and solve various database tasks using the PHP language.
16SCCCS6P	Core Practical VI - Programming in PHP Lab	<ul style="list-style-type: none"> Making the students to impart Practical Training in PHP Programming Language
16SMBECS2:1	Major Based Elective - II Computer Graphics	<ul style="list-style-type: none"> Develop line and circle generation algorithms Apply 2D and 3D transformations Develop clipping algorithms for point, line and polygons Learn the concepts of projections, viewing and graphics pipeline
16SMBECS2:2	Major Based Elective - II Cloud Computing	<ul style="list-style-type: none"> Making the students to understand the concepts in Cloud Computing and its Security. Understand the different characteristics of public, private and hybrid cloud deployment models.
16SMBECS2:3	Major Based Elective - II Business Process Outsourcing	<ul style="list-style-type: none"> Making the students to learn the Knowledge about the working environment of Business Process Outsourcing Industry.

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Bachelor of Computer Science		
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SMBECS1P	Major Based Elective - III - Mini Project	<ul style="list-style-type: none"> Develop a functional application based on the software design Apply coding, debugging and testing tools to enhance the quality of the software Construct new software system based on the theory and practice gained through this exercise Prepare the proper documentation of software projects following the standard guidelines Learn technical report and oral presentation skills
16SMBECS1P	Major Based Elective - III -Dot net lab	<ul style="list-style-type: none"> Practical Training in Dot Net Programming Language. Create web pages for companies and colleges.
PG Computer Science		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16CS11	Core course I- Mathematical Foundation for Computer Science	<ul style="list-style-type: none"> Objective is to learn the basic concepts of the mathematical applications for developing the program which will be useful while doing research.
P16CS12	Core course II-Web Technologies	<ul style="list-style-type: none"> Objective is to provide fundamental concept of Internet, JavaScript, XML, JSP, and ASP with a view to developing professional software development skills which enable them to be well used in web development.
P16CS13	Core course III-Design and Analysis of Algorithms	<ul style="list-style-type: none"> Objective is to study the concepts of algorithms and analysis of algorithms using divide and conquer, greedy method, dynamic programming, backtracking, and branch and bound techniques. This will also useful in Research Work.


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PG Computer Science		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16CS14	Core course IV- Distributed Operating Systems	<ul style="list-style-type: none"> Objective is to study the concepts of distributed computing systems and cryptography. The technologies adopted in DOS make the students to have interest in Recent Technologies.
P16CS15P	Core course V-Web Technologies Lab	<ul style="list-style-type: none"> Objective is to provide Practical Knowledge in JavaScript, XML, JSP, and ASP with a view to develop professional software development skills.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16CS21	Core course V- OOAD & UML	<ul style="list-style-type: none"> Objective is to give a detailed knowledge on structured approach to system construction, various object oriented methodologies, Object oriented analysis, and Object oriented design and UML examples.
P16CS22	Core course VI- Distributed Technologies	<ul style="list-style-type: none"> This course aims building concepts regarding the fundamentals of distributed technologies in ASP.NET.
P16CS23P	Core Practical II - Distributed Technologies Lab	<ul style="list-style-type: none"> Objective is to provide practical knowledge in ASP.NET to developing professional software development skills and to have hands on experience
P16CSE1A	Elective Course I- Mobile Communication	<ul style="list-style-type: none"> Objective is to understand Wireless networks and WAP architecture which is very important in this IT era. To impart knowledge related to various multiplexing schemes. To provide programing experience on application development for Mobile Devices


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PG Computer Science

SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
P16CSE1C	Elective Course I- Human Computer Interaction	<ul style="list-style-type: none">▪ To impart knowledge related to the various concepts, methods of Human Computer Interaction techniques with design basics, design rules and evaluation techniques.▪ Research and develop interactive collaborative systems by applying social computing theories and frameworks.
P16CSE2A	Elective Course II- Embedded Systems	<ul style="list-style-type: none">▪ To provide fundamental concept of Embedded systems and real time operating systems.
P16CSE2B	Elective Course II- Artificial Intelligence	<ul style="list-style-type: none">▪ Objective is to understand the AI & Expert System concepts and to learn the Heuristic techniques and reasoning.▪ This is one of the areas of Research which contains computer simulation and modeling
P16CSE2C	Elective Course II- Pattern Recognition	<ul style="list-style-type: none">▪ To understand Fuzzy Pattern Classifiers and Perception.▪ To explore different classification models.▪ To study about feature extraction and structural pattern recognition.▪ To know about Supervised and unsupervised Learning.

SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
P16CS31	Core course VII-Data Mining and Ware Housing	<ul style="list-style-type: none">▪ Objective is to understand data mining techniques and Concepts and design of data warehousing.
P16CS32	Core course VIII- Compiler Design	<ul style="list-style-type: none">▪ Objective is to understand the different phases of compiler and needs of the compiler.
P16CS33P	Core Practical III - Data Mining Lab	<ul style="list-style-type: none">▪ Objective is to provide practical knowledge in data mining techniques and Concepts using data mining tool like weka.

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PG Computer Science		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16CSE3A	Elective Course III- Parallel Processing	<ul style="list-style-type: none"> To study the Parallel computer Architecture, theories of parallel computing, interconnection networks and applications of cost effective computer systems.
P16CSE3B	Elective Course III- Advanced Computer Architecture	<ul style="list-style-type: none"> To study the advanced computer Architecture, theories of parallel computing, network properties and applications of cost effective computer systems to meet the above requirements.
P16CSE3C	Elective Course III- Pervasive Computing	<ul style="list-style-type: none"> Objective is to understand the concept of web applications and WAP fundamentals and learn the PDA. Student know the main aspects about design and development of pervasive computing systems and applications.
P16CSE4A	Elective Course IV- Network Security	<ul style="list-style-type: none"> Objective is to understand the various substitution techniques and RSA, DES, IDEA Algorithms. Identify the security issues in the network and resolve it.
P16CSE4B	Elective Course IV- Computer Simulation & Modeling	<ul style="list-style-type: none"> To impart knowledge in real time modeling process and the simulation of any system using the real time mode.
P16CSE4C	Elective Course IV- Soft Computing	<ul style="list-style-type: none"> To impart knowledge in Fuzzy Set Theory, Optimization, Neural Networks, Nero Fuzzy Modeling and Application of Computational Intelligence
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16CS41	Core course IX - Cloud Computing	<ul style="list-style-type: none"> Objective is to understand benefit of cloud computing concepts and recent trends in cloud computing. Understand the concepts in Cloud Computing and its Security. Understand the different characteristics of public, private and hybrid cloud deployment models.

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PG Computer Science		
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16CS42	Core course X - Wireless Sensor Networks	<ul style="list-style-type: none"> Objective is to understand wireless sensor nodes, networks and tools.
P16CS43P	Core Practical IV - Open Source Lab	<ul style="list-style-type: none"> Objective is to provide fundamental concept in Php and to develop professional software development skills in Php.
P16CSE5A	Elective Course V- Big Data Analytics	<ul style="list-style-type: none"> Objective is to impart knowledge in Fundamentals, Big Data Analytics, and Operational Big Data, Big Data Warehouses and Map Reduce Fundamentals. Design and implementation of big data analytics using PIG and SPARK to solve data intensive problems and to generate analytics.
P16CSE5B	Elective Course V- MANET	<ul style="list-style-type: none"> To enable the students to understand the concepts regarding the fundamental principles of distributed systems and the design issues and distributed operating system concepts are covered.
P16CSE5C	Elective Course V- Digital Image Processing	<ul style="list-style-type: none"> To study the various concepts, methods and algorithms of digital image processing with image transformation, image enhancement, image restoration, image compression techniques
P16CSPW	Project	<ul style="list-style-type: none"> Identify, define and justify scope of the proposed problem Gather and analyze system requirements Propose an optimized solution among the existing solutions LO4. Practice software analysis and design techniques Develop a functional application based on the software design Apply coding, debugging and testing tools to enhance the quality of the software Construct new software system based on the theory and practice gained through this exercise Prepare the proper documentation of software projects following the standard guidelines Learn technical report and oral presentation skills

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B.Sc Information Technology		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCIT1	Core Course - I (CC) Introduction to Information Technology	<ul style="list-style-type: none"> ▪ Making the students to learn the Basic Concepts in Information Technology. ▪ Provide knowledge of different units of Computer like Processing unit, I/O unit and Storage unit.
16SCCIT1P	Core Practical - I (CP) Basic Computer Usage Lab	<ul style="list-style-type: none"> ▪ Making the students to impart practical Training in Word Processing Software including word, excel and PowerPoint. ▪ Learning the formatting skills on paragraphs, tables, lists and pages.
16SACMA1	First Allied Course I- (A C)Algebra and Calculus	<ul style="list-style-type: none"> ▪ To learn the Basic concepts in the integration, to solve the problems in theory of equations
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCIT2	Core Course - II (CC) Programming in C	<ul style="list-style-type: none"> ▪ Making the students to impart basic knowledge of Programming Skills in C language. ▪ Apply and implement programs for solving real-world problems.
16SCCIT2P	Core Practical - II (CP) Programming in C Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in C Programming Language. ▪ Apply the skills to write a C++ code using constructor, operator overloading and function overloading.
16 SACMA2	First Allied Course II(AC)-Numerical and Statistical Methods	<ul style="list-style-type: none"> ▪ To train the students in solving problem using Numerical methods and statistical tools.
16 SACMA3	First Allied Course III(AC)-Operations Research	<ul style="list-style-type: none"> ▪ To train the students to solve the assignment problems, transportation problems in network problems

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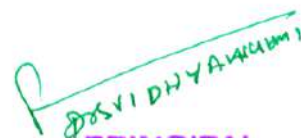
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SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCIT3	Core Course - III (CC) Programming in C++	<ul style="list-style-type: none"> ▪ Making the students to impart basic knowledge of Programming Skills in C++ language. ▪ Apply the skills to write a C++ code using constructor, operator overloading and function overloading.
16SCCIT3P	Core Practical - III (CP) Programming in C++Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in C++ Programming Language.
16SACIPH1	Second Allied Course -I (Physics)Digital Computer Fundamentals (Physics)	<ul style="list-style-type: none"> ▪ To bring out the subjects related with the computer field which help students to keep pace with these topics.
16NMECM1B	Non-Major Elective -I Elements of Insurance (Commerce)	<ul style="list-style-type: none"> ▪ To highlight the importance of insurance and it's basic concepts.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCIT4	Core Course - IV (CC) Programming in Java	<ul style="list-style-type: none"> ▪ Making the students to understand the basic concepts of Object Oriented Programming with Java language. ▪ Analyse and interpret the use of multithreading , storage of data in files
16SCCIT4P	Core Practical - IV (CP) Programming in Java Lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in Java Programming Language.
16SACIPH1P	Second Allied Practical (AP) Digital Computer Fundamentals Lab	<ul style="list-style-type: none"> ▪ To promote the exhaustive requirements and expectations of the students to acquire practical knowledge.
16SACIPH2	Second Allied Course-II (AC) - Computer Organization & Architecture	<ul style="list-style-type: none"> ▪ To enable the student to understand various concepts in computer organization and Architecture

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SEMESTER - V

Course code	SUBJECT	COURSE OUTCOME
16SCCIT5	Core Course V - Data Structures and Algorithms	▪ Making the students to understand the concepts of Data Structures and Algorithms.
16SCCIT6	Core Course VI - Computer Networks	▪ Making the students to understand the Design and Organization of Computer Networks.
16SCCIT7	Core Course VII - Operating Systems	▪ Making the students to provide the Fundamental Concepts in an Operating System.
16SCCIT5P	Core Practical V Computer Graphics & Animation Lab	▪ Making the students to impart Practical Training in Computer Graphics and Animation related problems.
16SMBEIT1:1	Major Based Elective - I - Software Engineering	▪ Making the students to learn knowledge of the various phases of Software Engineering Process.
16SMBEIT1:2	Major Based Elective - I - E-Commerce	▪ Making the students to understand the basics of E-Commerce and its Security.
16SMBEIT1:3	Major Based Elective - I - Business Process Out Sourcing.	▪ Making the students to learn the Knowledge about the working environment of Business Process Outsourcing Industry.
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCIT8	Core Course VIII - Mobile Computing	▪ Making the students to understand the Architecture, Synchronization Process and Operating Systems in Mobile Computing.
16SCCIT9	Core Course IX - Data Base Systems	▪ Making the students to provide the basic concepts of the Database Systems including Data Models, Storage Structure, Normalization and SQL.

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SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCIT6P	Core Practical VI - Data Base Systems Lab	<ul style="list-style-type: none"> ▪ Making the students to Impart Practical Training in MySQL.
16SMBEIT2:1	Major Based Elective - II Web Design	<ul style="list-style-type: none"> ▪ Making the students to learn the fundamentals of Internet, HTML, DHTML and XML.
16SMBEIT2:2	Major Based Elective - II Programming in PHP	<ul style="list-style-type: none"> ▪ Making the students to understand the Concepts of PHP and Ajax.
16SMBEIT2:3	Major Based Elective - II Cloud Computing	<ul style="list-style-type: none"> ▪ Making the students to understand the concepts in Cloud Computing and its Security.
16SMBEITPW	Major Based Elective - III - Mini Project	<ul style="list-style-type: none"> ▪ Making the students to work on a project with a Latest Software.
16SMBEIT1P	Major Based Elective - III -Dot net lab	<ul style="list-style-type: none"> ▪ Practical Training in Dot Net Programming Language. ▪ Create web pages for companies and colleges.
16SMBEIT2P	Major Based Elective - III - Programming in PHP lab	<ul style="list-style-type: none"> ▪ Making the students to impart Practical Training in PHP Programming Language ▪ Create web pages for companies and colleges.

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PG Information Technology		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16IT11	Core Course I- Distributed Technologies	<ul style="list-style-type: none"> The technologies behind the distributed computing environment and to provide the programming expertise to develop applications for distributed environment.
P16IT12	Core Course II- Web Services	<ul style="list-style-type: none"> To impart knowledge on the concepts and applications of Web Services.. Understanding of SOAP,WSDL,UDDI protocols.
P16IT13	Core Course III- OOAD and UML	<ul style="list-style-type: none"> To provide basic understanding on Object Oriented Analysis and Design and to familiarize the modelling mechanism, facilities, tools and techniques available for the design and development of software applications.
P16IT14	Core Course IV- Organizational Behaviour	<ul style="list-style-type: none"> To enable good understanding on the principles and practices essential for effective functioning of an organization.
P16IT15P	Core Practical I - Distributed Technologies Lab	<ul style="list-style-type: none"> To provide hands on experience in developing applications for distributed environments.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16IT21	Core Course V-Mobile Computing	<ul style="list-style-type: none"> To provide programming experience on application development for Mobile Devices. Objective is to understand Wireless networks and WAP architecture which is very important in this IT era. To impart knowledge related to various multiplexing schemes.
P16IT22	Core Course VI- Multimedia Technology	<ul style="list-style-type: none"> To teach students about various tools & technologies that provide audio, video data handling capabilities to a computer.

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PG Information Technology		
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16IT23P	Core Practical II - Mobile Computing Lab	<ul style="list-style-type: none"> To provide hands on experience in developing applications for distributed environments.
P16ITE1A	Elective Course I - Cloud Computing	<ul style="list-style-type: none"> To provide understanding on concepts & technologies associated with Cloud Computing.
P16ITE1B	Elective Course I - Grid computing	<ul style="list-style-type: none"> To impart knowledge on architectures, services & toolkits of Grid Computing.
P16ITE1C	Elective Course I - Parallel computing	<ul style="list-style-type: none"> To introduce algorithm design for parallel computing architectures.
P16ITE2A	Elective Course II - Management Information Systems	<ul style="list-style-type: none"> To inculcate the principles and use of Computer based information systems for Management of Businesses and Organizations.
P16ITE2B	Elective Course II - E- Commerce	<ul style="list-style-type: none"> To provide exposure on the principles of E-Commerce and its applications.
P16ITE2C	Elective Course II - Marketing Management	<ul style="list-style-type: none"> To make the students to know the importance of marketing a developed product and to enrich the knowledge of marketing with development, advertising, selling and management of a new product.
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16IT31	Core Course VII- J2EE Technologies	<ul style="list-style-type: none"> To provide understanding on developing distributed enterprise applications using J2EE.
P16IT32	Core Course VIII- Network Security	<ul style="list-style-type: none"> To provide knowledge for establishing secured network based computing and Information systems. Objective is to understand the various substitution techniques and RSA, DES, IDEA algorithms.

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PG Information Technology		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16IT33P	Core Practical III - J2EE Technologies Lab	<ul style="list-style-type: none"> To provide experience in developing distributed enterprise applications using J2EE. Understand the use of string handling functions and develop distributed web applications using servlet and JSP.
P16ITE3A	Elective Course III - Big Data Analytics	<ul style="list-style-type: none"> To give insight on the current trends in Cloud Computing and Big Data Analytics. Design and implementation of big data analytics using PIG and SPARK to solve data intensive problems and to generate analytics.
P16ITE3B	Elective Course III - Digital Image Processing	<ul style="list-style-type: none"> To impart knowledge on the algorithms and techniques to perform various image processing tasks over digital images.
P16ITE3C	Elective Course - III - Pattern Recognition	<ul style="list-style-type: none"> Understanding on concepts and techniques used for recognition and segregation of patterns.
P16ITE4A	Elective Course IV - Software Engineering	<ul style="list-style-type: none"> To provide exposure on the principles and practices used in Software development. Develop models for Software projects.
P16ITE4B	Elective Course IV - Software Testing	<ul style="list-style-type: none"> To provide exposure on the principles and practices used in Software Testing. To impart knowledge on various types of testing.
P16ITE4C	Elective Course IV - Software Metrics	<ul style="list-style-type: none"> Knowledge and to develop research skills on many aspects of framework for software Measurement, software metrics data collection, measurements and predictions, and latest trends in software metrics.

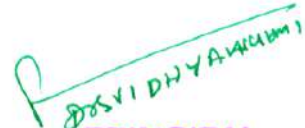
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Tiruchirapalli-2.

PG Information Technology		
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16IT41	Core Course IX - Internet of Things	<ul style="list-style-type: none"> Understand the underlying concepts in Internet of Things (IoT) and to provide in depth knowledge on state of the art in the IoT, challenges and future directions.
P16IT42	Core Course X - Distributed Operating Systems	<ul style="list-style-type: none"> Understanding on the working of the Operating Systems for Distributed Computing Environments.
P16IT43P	Core Practical IV -Open Source Technologies Lab	<ul style="list-style-type: none"> To provide web programming experience using open source software platforms and tools.
P16ITE5A	Elective Course V - Pervasive Computing	<ul style="list-style-type: none"> To provide an exposure on the technologies, tools and gadgets of Pervasive and Ubiquitous Computing. Student know the main aspects about design and development of pervasive computing systems and applications.
P16ITE5B	Elective Course V - Human Computer Interaction	<ul style="list-style-type: none"> Knowledge related to the various concepts, methods of Human Computer Interaction techniques with design basics, design rules and evaluation techniques. Research and develop interactive collaborative systems by applying social computing theories and frameworks.
P16ITE5C	Elective Course V - Soft Computing	<ul style="list-style-type: none"> Understanding on different areas of soft computing such as Fuzzy Set Theory, Neural Networks, Neuro-Fuzzy Modelling and their applications.
P16ITPW	Major Project	<ul style="list-style-type: none"> Analysis and apply latest technologies and synthesize computing systems through quantitative and qualitative techniques to solve problems in the areas of Information Technology.


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M.Phil., Computer Science		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
M18CS1	Research Methodology	<ul style="list-style-type: none"> ▪ After completing this course, students will be able to: ▪ Learn the basic methods for reading technical papers ▪ Select research topics ▪ Devise research questions ▪ Plan research ▪ Synthesize broader theories
M18CS2	Advanced Topics in Computer Science	<ul style="list-style-type: none"> ▪ After completing this course, students will be able to: ▪ Understand the theory and applications of probability ▪ Design, analyze and present experiments ▪ Apply matrix decomposition algorithms to scientific and business problems ▪ Understand NP-hard problems and advanced algorithms ▪ Evaluate the performance of Splay Trees, Red-Black Trees, Quad trees, K-D trees and R-Trees on real applications
M18TLS3	Teaching and Learning Skills	<ul style="list-style-type: none"> ▪ After completing this course, students will be able to: ▪ Design courses and curriculum Design lectures and facilitate discussions ▪ Supervise projects and dissertation and guiding thesis ▪ Design assessments and evaluate courses ▪ Develop listening, speaking, reading and writing skills


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PRINCIPAL
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Department of Fashion Technology & Costume Designing

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCFT1	Introduction to Fashion Designing	<ul style="list-style-type: none"> ▪ Identify the concepts of fashion designing ▪ Understand the terms related to fashion industry ▪ Extract the knowledge about the elements of art and principles of design applied in different area. ▪ Application of different colors moods and their meaning ▪ identify the career in fashion designing field
16SCCFT1P	Fashion Illustration (P)	<ul style="list-style-type: none"> ▪ Identify the basic techniques of sketching. ▪ Create the sketching methods of different garments and ornaments ▪ Evaluate the human body in proportions relevant to fashion illustration.
16SACFT1	Textile Science	<ul style="list-style-type: none"> ▪ Understand the basics of fiber & yarn ▪ Acquire knowledge about types of spinning methods ▪ Describe the concepts of weaving. ▪ Relate about different types of knitting ▪ Invent about Non -woven fabrics
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SACFT1P	Fashion Clothing & Psychology	<ul style="list-style-type: none"> ▪ Develop the creative thinking in designing of fashion accessories ▪ Design the garment for irregular figures. ▪ Understand the fashion psychology and about role of costumes ▪ Familiarise with fashion designers ▪ Compare about different fashion centres
16SACFT1P	Sewing Techniques(P)	<ul style="list-style-type: none"> ▪ Enumerate about the body measurements ▪ Illustrate the students about basic garment construction details. ▪ Develop the samples for different fullness, hems, pockets and trimmings

D. Jayapal

For the head

Dept Of Fashion Technology &
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Department of Fashion Technology & Costume Designing

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SACFT2	Sewing Techniques	<ul style="list-style-type: none"> ▪ Summarize about stitching mechanism and Identify the special attachments in sewing machines ▪ Familiarize with different fullness used in garments ▪ Appraise the construction different sleeves and skirts ▪ Manipulate the pattern for different neck lines and yokes ▪ Draft the pattern for pockets and plackets
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCFT3	Wet Processing	<ul style="list-style-type: none"> ▪ Identify about basics of processing ▪ Acquire knowledge about preparatory process of fabric ▪ Relate the concepts of dyeing techniques & dyeing methods ▪ Describe about printing techniques & its types ▪ Invent about types of finishes in textiles
16SCCFT2P	Wet Processing (P)	<ul style="list-style-type: none"> ▪ Formulate on basic processing of textiles ▪ Develop skills in dyeing of fabrics. ▪ Impart knowledge in textile printing.
16SACFT3	Indian Textile Embroidery	<ul style="list-style-type: none"> ▪ Compare about the origin of costume from ancient ▪ Categorize about traditional woven textiles ▪ Compare woven and dyed textile. ▪ Discuss traditional embroideries of India. ▪ Familiarize about costumes used in different states


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Department of Fashion Technology & Costume Designing

SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SNMEFT1	Fashion Accessories Designing	<ul style="list-style-type: none"> ▪ Relate knowledge about fashion accessories business and designers ▪ Sketch various types of accessories ▪ Articulate the creativity in fashion accessories making ▪ Understand about the designing of jewelleryes ▪ Develop skills in designing children accessories
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCFT4	Garment Manufacturing Technology	<ul style="list-style-type: none"> ▪ Paraphrase the basics of marker planning ▪ Solve about sewing problem and seam ▪ Describe the basic sewing machine and simple automation ▪ Familiarise with fusing machines ▪ Diffrentiate about working of pressing machines
16SACFT2P	Children's Garment(P)	<ul style="list-style-type: none"> ▪ Create different types of patterns for children. ▪ Judge the suitable fabrics, colors and designs for all patterns. ▪ Grade the drafting procedure for children's wear ▪ Construct basic and modify pattern techniques.
16SACFT4	Pattern Making & Grading	<ul style="list-style-type: none"> ▪ Modify about different types of layout planning ▪ Invent the knowledge in drafting, draping and flat pattern alteration. ▪ Appraise about principles of flat pattern techniques ▪ Develop different styles in commercial pattern ▪ Generalize on creation of styles, fitting techniques and pattern alteration

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SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SNMEFT2	Visual Merchandising	<ul style="list-style-type: none"> ▪ Understand the basic concepts, Purpose of visual merchandising. ▪ Plan on display setting. ▪ Compile on Store and Window Settings ▪ Associate about Mannequins and Alternatives to Mannequins ▪ Illustrate about Merchandise Display
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCFT5	Fashion Business	<ul style="list-style-type: none"> ▪ Evaluate the importance of Fashion business communication ▪ Generalise in presentation skills and communication devices ▪ Compare about cultural and inter cultural communication skills ▪ Describe the concept of group discussion ▪ Understand the systematic process to select and screen a business idea.
16SCCFT3P	Fashion Portfolio(P)	<ul style="list-style-type: none"> ▪ Construct the theme based garments. ▪ Create recent trends in fashion garments ▪ Plan different boards for the particular garments. ▪ Relate various costumes and theme write up about the garments
16SCCFT6	Textile Testing	<ul style="list-style-type: none"> ▪ Understand about the importance of quality control ▪ Demonstrate the working of fiber testing instruments ▪ Formulate the working principles of yarn testing instruments ▪ Summarize the working principle for fabric quality checking instruments ▪ Tabulate about fabric handling property testing.

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Department of Fashion Technology & Costume Designing

SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCFT4P	Textile Testing (P)	<ul style="list-style-type: none"> ▪ Evaluate the properties of fiber, yarn and fabric ▪ Estimate the testing methods for colored fabrics. ▪ Identify the testing methods for fiber, yarn and fabric.
16SMBEFT1	Fashion Merchandising & Marketing	<ul style="list-style-type: none"> ▪ Understand the basic concepts of merchandising ▪ Demonstrate on Export and Buying house ▪ Judging of garment costing ▪ Relate the concepts of marketing ▪ Illustrate the product life cycle
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCFT7	Export Documentation	<ul style="list-style-type: none"> ▪ Evaluate the importance of export and import procedures. ▪ Compose the export credit system ▪ Summarize in trade and foreign exchange ▪ Creation of export and import documents ▪ Tabulate about EXIM policies
16SCCFT8	Quality & Cost Control	<ul style="list-style-type: none"> ▪ Understand the basic concepts of quality control ▪ Compare the quality control system ▪ Describe the basics production system ▪ Clarify about the concepts of production control ▪ Illustrate the cost control
16SCCFT5P	Adult's Garment(P)	<ul style="list-style-type: none"> ▪ Create different types of patterns for women & men. ▪ Suggest suitable fabrics, colours and designs for all patterns. ▪ Learn the drafting procedure for women's wear & men's wear.
16SMBEFT2	Fabric Structure & Design	<ul style="list-style-type: none"> ▪ Explain the Elements of woven design. ▪ Grade the basic weaves. ▪ Differentiate on Extra warp & extra weft figuring. ▪ Manipulate about Pile fabrics characteristic. ▪ Relate the Double and Triple cloth.
16SMBEFT3P	Computer Aided Designing(P)	<ul style="list-style-type: none"> ▪ Develop motifs using Computer Aided Designing ▪ Illustrate different types of garments using Computer Aided Designing ▪ Implement new innovative designs on garment using Computer Aided Designing.


 For the Head
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Department of Hospital Administration

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16HA11	Principles of Hospital Administration and Health Economics	<ul style="list-style-type: none"> ▪ Identify and demonstrate the dynamic nature of the environment. ▪ Apply conceptual frameworks, theory and techniques to lead the organization in achieving its goals ▪ Understand the roles of managers and administrators
P16HA12	Epidemiology	<ul style="list-style-type: none"> ▪ Understanding the healthcare scenario in a population ▪ Demonstrate the necessary knowledge, skill and competencies required ▪ Diseases affecting the different systems. ▪ Handle various data related to healthcare ▪ Recognize and train the workforce to meet the challenges of changing dynamics
P16HA13	Basic Biological Science Part - I	<ul style="list-style-type: none"> ▪ Provide basic knowledge about human anatomy and physiology ▪ Study the various systems in human body and its functions ▪ Integrate various aspects of metabolism and their regulatory pathways ▪ Provide basic concepts of balanced diet
P16HA14	Organizational Behaviour	<ul style="list-style-type: none"> ▪ Identify the impact of individual behaviour on groups and organization as whole ▪ Analyse and compare various theories of personality and learning ▪ Explain group dynamics and demonstrate skills required for working in groups (team building) ▪ Identify various leadership styles in decision making.
P16HA15	Biostatistics	<ul style="list-style-type: none"> ▪ Analyse concepts and statistical techniques used in hospital. ▪ Find the variance and standard deviation of discrete and continuous frequency distribution ▪ Distinguish between coefficient and correlation ▪ Understand the complex, dynamic, and multidimensional issues and perspectives involved in statistical analyses of hospital situations.

Prashant

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P. DEVI DHYANESHWARI

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Department of Hospital Administration

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16HA21	Basic Biological Science Part II	<ul style="list-style-type: none"> ▪ Identify a range of drugs used in medicine and discuss their mechanisms of action. ▪ Report the clinical applications, side effects and toxicities of drugs. ▪ Mechanisms of action, pathology and drugs of abuse. ▪ Translate pharmacological principles into clinical decision-making. ▪ To learn the principles of medical equipment
P16HA22	Hospital Facilities Planning and Administration	<ul style="list-style-type: none"> ▪ Identify critical components in planning of the hospital ▪ Describe the role of hospital environment in delivering quality patient care ▪ Articulate the functional requirements of patient care ▪ Understand the Role of administrators in smooth functioning of hospital
P16HA23	Hospital Information System	<ul style="list-style-type: none"> ▪ Describe role of information systems in hospital ▪ Basic knowledge of concepts and terminologies related to hospital ▪ Interpret the use of information technology to solve hospital problems ▪ Articulate the fundamental principles of information systems, analysis and design ▪ Identify various applications of Hospital Information System (HIS) and their functions
P16HAE1	Materials Management	<ul style="list-style-type: none"> ▪ Analyse the objectives, design structure, and organize the materials purchasing activities ▪ Ensure purchasing decisions meet the basic requirements to right quality, right quantity, right time, right price, and right source. ▪ Determine appropriate inventory control models to use, stores location, stores layout, and organizational policies and procedures. ▪ Practice materials planning through modern materials tools like ABC, VED, EOQ.

Prasanth

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Department of Hospital Administration

SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16HAE3	Research Methodology	<ul style="list-style-type: none"> ▪ Skills to build their own formulations, to expand existing formulations ▪ Evaluate the impact of model assumptions and to choose an appropriate solution technique ▪ Distinguish purpose statement, hypothesis and research objective ▪ Explain about sampling design and types of sampling ▪ Overall process of designing a research study.
P16HAE4	Quality Assurance	<ul style="list-style-type: none"> ▪ Know the principles of total quality management and peculiarities of implementation ▪ Understand and implement quality improvement techniques according to situations ▪ Significance of quality gurus' works to the management of modern organizations. ▪ Use quality management methods analyse ISO Series ▪ Choose a framework to evaluate the performance excellence.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16HA41	Managerial Communication, Public Relations and Counselling	<ul style="list-style-type: none"> ▪ Understand the scope and importance of communication ▪ Enhance oral and written communication skills and use different forms of written communication techniques. ▪ Understand the importance of listening and speaking. ▪ To understand the importance of public relations.
P16HA42	Management Concepts	<ul style="list-style-type: none"> ▪ Understand the concepts related to Business. ▪ Demonstrate the roles, skills and functions of management. ▪ Analyse effective application of PPM knowledge to diagnose and solve organizational problems ▪ Develop optimal managerial decisions. ▪ Understand the complexities associated with management of human resources in the organizations and integrate the learning in handling these complexities.

M. S. L.

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Department of Hospital Administration

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16HAE2	Human Resource Management	<ul style="list-style-type: none"> ▪ Understand the importance of human resource management ▪ Use the different methods of recruitment in procuring human resource ▪ Design relevant appraisal methods for employee compensation, rewards and benefits. ▪ Organize training and development activities to enhance the knowledge, skill and abilities ▪ Apply modern trends in human resource management
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16HA31	Ethics, Legal Aspects of Hospital Administration	<ul style="list-style-type: none"> ▪ Knowledge of ethics in functioning of hospital. ▪ Handle various issues related to healthcare setup ▪ Recognize and train the workforce to meet the challenges of changing dynamics ▪ Demonstrate the necessary knowledge, skill and competencies required for good administrator
P16HA32	Marketing for Health Care Services	<ul style="list-style-type: none"> ▪ Understand and explain nature and scope of marketing ▪ Provide theoretical basis for assessing performance ▪ Identify characteristics and challenges of firms in modern world. ▪ Discuss key linkages between marketing and other business functions. ▪ Work effectively and efficiently in a team addressing marketing topics.
P16HA33	Accounting and Financial Management	<ul style="list-style-type: none"> ▪ To introduce basic Accounting concepts ▪ Understand the journal entries ▪ Calculate trial balance ▪ Understand concepts of subsidiary books and final accounts. ▪ To learn concepts of depreciation

Prasanna

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Department of Hospital Administration

SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16HA43	Administration of Hospital Staff and Medical Records Management	<ul style="list-style-type: none"> ▪ Understand the medical terminologies. ▪ Identify and understand the risk faced by organization. ▪ Types, importance and role of medical records and its management techniques. ▪ Recent development of hospital administration like Telemedicine, medical insurance, medical transcription and ISO etc. ▪ Analyse the hospital statistics like inpatient, outpatient and mortality rates.
P16HAE5	Strategic Management and Planning	<ul style="list-style-type: none"> ▪ Preparation for challenges faced by the organization ▪ Understand environment analysis and SWOT, demonstrate the knowledge and abilities in formulating strategic plans. ▪ Understand various resources in the organization and helps to improve the resource allocation ▪ Identify various critical components for better programming of the services .
NON - MAJOR ELECTIVE PAPERS (UG)		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SNMEHA 1	Personal Hygiene	<ul style="list-style-type: none"> ▪ Identify the importance of Health Education ▪ Understand the importance and benefits of physical health ▪ Understand better care for eyes, hands, feet, hair, skin etc. ▪ Know about the Mental Health and Environment Health.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SNMEHA 2	Role of Hospital Services	<ul style="list-style-type: none"> ▪ Identify various components of hospital ▪ Describe the role of hospital environment ▪ Role of administrators in smooth functioning of hospital. ▪ Identify various support and utility services ▪ Articulate the functional requirements

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Department of Hospital Administration
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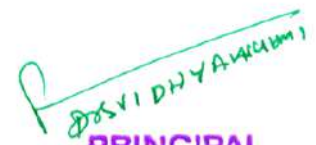
Shrinati Indira Gandhi College
Truchirapalli-2.

Department of Mathematics

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM1	Differential calculus And trigonometry	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Explain the relationship between the derivative of a function as a function and the notion of the derivative as the slope of the tangent line to a function at a point. 2. Find maxima and minima, critical points and inflection points of functions and to determine centre of curvature. 3. Demonstrate knowledge of several trigonometric identities and use them to verify other identities. 4. Evaluate trigonometric, hyperbolic and inverse trigonometric functions. 5. Understand polar coordinates, equations and graphs, the complex plane and DeMoivre's Theorem.
16SCCMM2	Integral Calculus	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Apply Integral calculus to solve problems. 2. Solve definite and indefinite integrals using substitution, integration by parts and other standards techniques. 3. Solve application problem in multiple integrals. 4. Apply the Fundamental theorem of calculus to evaluate definite integrals. 5. Able to solve Integrals by using Beta and Gamma functions.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM3	Differential Equations And Laplace Transforms	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Solve and apply linear differential equations of first order, (higher degree) second order. 2. Solve linear differential equations using Laplace transform techniques. 3. Develop the ability to apply ordinary and partial differential equations to significant applied and theoretical problems. 4. Distinguish between the Linear and Non Linear Partial and Ordinary Differential equations. 5. To learn to apply Laplace Transform to solve Ordinary Differential equations with constant coefficients.



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Department of Mathematics

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM4	Analytical Geometry 3D	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Determine all distinguish features of parabola, hyperbola and ellipse from its standard form its equation. 2. Describe curves using a parametric approach and in how the conic sections are described in parametric form. 3. Solve problems involving geometric relation between lines, planes and spheres. 4. Improve and outline the logical thinking. 5. To learn conditions for the plan to touch the quadratic cone and conicoid.
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM5	SEQUENCES AND SERIES	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Define different types of sequence. 2. Discuss the behaviour of the geometric sequence. 3. Prove properties of convergent and divergent sequence. 4. Analyse Cauchy's first and second limit theorems. 5. Give examples for convergence, divergence and oscillating infinite series. 6. Investigate the behaviour of the geometric series and Alternating series. Verify the given series is convergent or divergent by using different tests.
16SCCMM6	CLASSICAL ALGEBRA AND THEORY OF NUMBERS	<p>The learners will be able to</p> <ol style="list-style-type: none"> 1. Analyse the relation between roots and coefficients of polynomial Equations. 2. Learn symmetric functions 3. Describe transformation of Equations. 4. Execute Weistrass and Cauchy's inequalities. 5. Prove Fermat's, Wilson's and Lagrange's Theorems



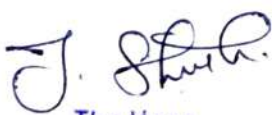
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Department of Mathematics

SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM7	VECTOR CALCULUS AND FOURIER SERIES	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand vector differentiation and integration. 2. Compute the curl and the divergence of vector fields. 3. Prove Gauss Divergence Theorem, Green's and Stoke's Theorem 4. Evaluate the Fourier series of various even and odd functions. 5. Analyse combination of series
16SCCMM8	Linear Algebra	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand the concepts of vector spaces, subspaces, bases, dimension and their properties. 2. Relate matrices and linear transformations 3. Compute eigen values and eigen vectors of linear transformations. 4. Prove Cayley- Hamilton theorem, Schwartz inequality, Gram Schmidt orthogonalization process. 5. Learn properties of inner product spaces and determine orthogonality in inner product spaces.
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM9	Numerical Methods With Matlab Programming	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Read, understand and trace the execution of programs written in MATLAB. 2. Write the MATLAB code for a given algorithm. 3. Solve an algebraic or transcendental equation using an appropriate numerical method. 4. Solve a linear system of equations using an appropriate numerical method. <p>Demonstrate Interpolation & solution of ODE's.</p>
16SCCMM10	REAL ANALYSIS	<p>The learners will be able to</p> <ol style="list-style-type: none"> 1. Describe fundamental properties of the real numbers that lead to the formal development of real analysis. 2. Classify algebra of limits and continuous functions 3. Prove Daurboux's Theorem on derivatives. 4. Analyse Mean value theorems on derivatives. 5. Expand power series. <p>Demonstrate continuity & derivability of integral functions.</p>


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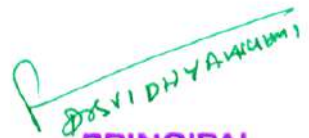

 PRINCIPAL
 Shrimati Indira Gandhi College
 Tiruchirapalli-2.

Department of Mathematics
SEMESTER - V

Course code	SUBJECT	COURSE OUTCOME
16SCCMM11	STATICS	The students will be able to 1. To provide the basic knowledge of Equilibrium of a particle. 2. To learn parallel forces and moments. 3. To study the conditions of equilibrium of forces acting on a rigid body. 4. Describe the frictional force. 5. Classify common catenary and parabolic catenary.
16SMBEMM1: 1	OPERATIONS RESEARCH	The learners will be able to 1. Solve linear programming problems using appropriate techniques and optimization solvers, interpret the results obtained. 2. Conduct and interpret post-optimal and sensitivity analysis and explain the primal-dual relationship. 3. Determine optimal strategy for Minimization of Cost of shipping of products from source to Destination/ Maximization of profits of shipping products using various methods, Finding initial basic feasible and optimal solution of the Transportation problems. 4. Model competitive real-world phenomena using concepts from game theory. Analyse pure and mixed strategy games. 5. Formulate Network models for service and manufacturing systems, and apply operations research techniques and algorithms to solve these Network problems.
16SCCMM1P	NUMERICAL METHODS WITH MATLAB PROGRAMMING-PRACTICAL	The students will be able to 1. Understand programming through numerical methods. 2. Apply the techniques of MATLAB programming. 3. Solve Numerical problems using MATLAB programming. 4. Evaluate linear interpolation using MATLAB programming. 5. Calculate the solutions to system of linear algebraic equations using MATLAB programming.



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Department of Mathematics

SEMESTER - VI		
Course Code	SUBJECT	COURSE OUTCOME
16SCCMM12	ABSTRACT ALGEBRA	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Identify sets that are group, subgroups, normal subgroups, ideals and field through examples and problems. 2. Learn the concept of a function, map between two sets, groups, rings. 3. Find the kernel of the homomorphism. 4. Understand the concepts of homomorphism and isomorphism on groups and rings. 5. Analyse the concept of quotient groups.
16SCCMM13	COMPLEX ANALYSIS	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand the significance of differentiability and analyticity of complex functions leading to the Cauchy Riemann equations. 2. Learn the role of Cauchy's theorem and Cauchy integral formula in evaluation of contour integrals. 3. Apply Liouville's theorem in fundamental theorem of algebra. 4. Prove Taylor and Laurent series expansions of analytic functions. 5. Classify the nature of singularity, poles and residues. 6. Interpret Cauchy Residue theorem to evaluate definite integrals.
16SCCMM14	DYNAMICS	<p>The learners will be able to</p> <ol style="list-style-type: none"> 1. Distinguish kinematic and kinetic motion. 2. Identify the basic relations between distance, time, velocity, and acceleration. 3. Analyze the Projectiles. 4. Examine the simple harmonic motion. 5. Execute differential equation of central orbits and pedal equation of the central orbit. 6. Understand an oblique impact of two smooth spheres.

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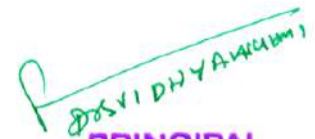
Department of Mathematics

SEMESTER - VI

Course code	SUBJECT	COURSE OUTCOME
16SMBEMM2:1	GRAPH THEORY	The students will be able to 1. Understand the origin of Graph Theory. 2. Illustrate different types of graphs. 3. Explain independent sets and covering sets. 4. Execute operations on graphs. 5. Discuss connectedness and components of graphs. 6. Characterize trees and planar graphs. 7. Describe Kruskal's algorithm and Dijkstra's algorithm.
16SMBEMM3:1	ASTRONOMY	The learners will be able to 1. Understand the movements of celestial object. 2. Examine the stars and zones of earth. 3. Understand the phenomenon of parallax in the celestial objects. 4. Study the Kepler's law of equation. Classify the formation of moon and its surface features.
ALLIED COURSE		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SACFA1	Financial Accountig I (Principles Of Accounting)	The Students will be able to 1. Understand accounting concepts. 2. Classify the rules of double entry book keeping and ledger. 3. Execute balance sheet. 4. Implement cash book rectify the errors disclosed by trial balance. 5. Demonstrate bills of exchange
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SACFA2	Financial Accountig II (Funcamentals Of Financial Accounting)	The Students will be able to 1. Design entries in the books of the consignor and consignee. 2. Classify recipes and payments account 3. Execute balance sheet. 4. Interpret partnership accounts. 5. Explain the dissolution of partnership Garner Vs Muray decision.



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ALLIED COURSE		
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SACFA3	Financial Accountig III (Fundamentals Of Corporate Accounting)	The Students will be able to 1. Judge the issue of shares. 2. Understand redemption of preference. 3. Describe the allocation of expenses. 4. Prepare profit and loss account. 5. Execute final accounts of joint -stock companies
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SACMAC1	Management Accountig I (Elements Of Cost Accounting)	The Students will be able to 1. Understand objectives and advantages of cost accounting. 2. Analyse material cost. 3. Demonstrate the methods of time keeping and time booking. 4. Execute essential features of good wage system. 5. Describe overheads
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SACMAC2	Management Accountig II (Fundamentals Of Management Accounting)	The Students will be able to 1. Understand the objectives of Management Accounting. 2. Explain ratio analysis. 3. Describe fund flow statement. 4. Discuss cash flow statement. 5. Classify budget and budgetary control.
16SACMAC3	Management Accountig III (Fundamentals Of Financial Management)	The Students will be able to 1. Understand financial management. 2. Discuss time value of money. 3. Analyse leverage. 4. Describe Working Capital Management. 5. Recognise cash management

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ALLIED PAPERS

SEMESTER - I

Course code	SUBJECT	COURSE OUTCOME
16SACPHI	ALLIED PHYSICS I	The Students will be able to 1. Understand the properties of matter. 2. Describe Central gravity of a solid hemisphere and hollow hemisphere. 3. Demonstrate thermodynamics. 4. Recognise geometrical optics. 5. Describe intrinsic and extrinsic semiconductor

SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
16SACPHI P	ALLIED PHYSICS II (Practical)	The Students will be able to 1. Acquire basic understanding of laboratory techniques. 2. Identify uniform bending scale and telescope. 3. Demonstrate coefficient of viscosity of liquid. 4. Analyse spectrometer. 5. Verify De Morgan's theorem and Boolean algebra.
16SACPH 2	ALLIED PHYSICS III	The Students will be able to 1. Understand electrostatics. 2. Recognize intensity of magnetization 3. Explain atom models and X-rays. 4. Classify nuclear radiations and their properties. 5. Discuss decimal binary octal and hexadecimal number systems

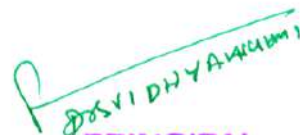
ALLIED PAPERS

SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
16SACCSI	COMPUTER SCIENCE I (Programming In C)	The Students will be able to 1. Understand introduction to computers and their applications. 2. Evaluate C program. 3. Define functions and arrays. 4. Operate pointers. 5. Execute data of files

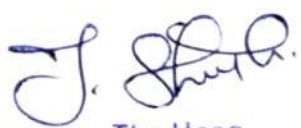



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ALLIED COURSE		
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SACCS1P	COMPUTER SCIENCE II (Practical)	The Students will be able to 1. Solve quadratic equation. 2. Understand the conversion of number system. 3. Implement ascending and descending order of numbers using arrays. 4. Execute Matrix operations. 5. Manipulate strings
16SACCS2	COMPUTER SCIENCE III (Principles Of Information Tecnology)	The Students will be able to 1. Classify digital computer system. 2. Recognise general software features and trends. 3. Explain data processing. 4. Distinguish internet- intranet. 5. Operate multimedia tools
PG MATHEMATICS		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16MA11	ALGEBRA	The Students will be able to 1. Understand the foundation in Algebraic structure like Groups and Rings. 2. Learn the problem solving ability in Algebra. 3. Acquire the knowledge of permutation groups and normal subgroups and counting tricks in algebra. 4. Understand the various forms of polynomial rings and inner product spaces. 5. Absorb the knowledge on elements of the Galois Theory and the field of quotients of an integral domain.


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PG MATHEMATICS		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16MA12	Real Analysis	<p>The pupils will be able to</p> <ol style="list-style-type: none"> 1. Get the thorough knowledge of the various aspects of real line. 2. Gain mastery in the fundamental concepts such as sets and functions, Induction principle, Finite and Infinite sets. 3. Understand the basic concepts in metric spaces geometrically and with rigor. 4. Realize the key idea convergence of sequences and the quantitative inequality estimates. Here numerous examples would have demonstrated the role of inequalities. 5. Learn the crucial concept of continuity of functions and work on problems emphasizing these ideas of real analysis.
P16MA13	Ordinary Differential Equations	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Gain the in-depth knowledge of differential equations and their applications. 2. Find the general solution of the first order linear homogeneous equations. 3. Understand the utility of the theory of power series which is studied in Real Analysis course through solving various second order differential equations. 4. Understand the importance of studying well-posedness of the problem namely existence, uniqueness and continuous dependence of first order differential equations through Picard's theorem. 5. Work on numerous problems using comparison theorem in Sturm Liouville's problems.
P16MA14	Graph Theory	<p>The Learns are going to</p> <ol style="list-style-type: none"> 1. Analyse the rigorous study of the basic concept of graph theory. 2. Study the applications of graph theory in other disciplines. 3. Learn the connectivity on vertex cuts and edge cuts. 4. Study the counting of the number of spanning trees and Cayley's Formula. 5. Gain the knowledge of the Four-Colour Theorem and Kuratowski's Theorem.


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PG MATHEMATICS		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16MA15	Integral Equations, Calculus Of Variations And Transforms	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Understand the concept of calculus of variations and integral equations and their applications. 2. Study the different types of transforms and their properties. 3. Classify Fredholm , Volterra and singular type integral equations 4. Solve integral equations using Fredholm theorem, Fredholm Alternative theorem and method of successive approximations. 5. Understand the classical Fredholm theory.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16MA21	Complex Analysis	<p>The student will be able to</p> <ol style="list-style-type: none"> 1. Determine whether a function is differentiable and if so, find its derivative. 2. Get expertise in the concept of convergence of sequences and series of complex numbers, continuity and differentiability of function on complex numbers. 3. Express complex differentiable functions as power series. 4. Identify the isolated singularities of a function and determine whether they are removable, poles or essential. 5. Get acquainted with various techniques of proving fundamental theorem of algebra, open mapping theorem, maximum modulus theorem and Liouville/s theorem.


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PG MATHEMATICS		
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16MA22	Linear Algebra	<p>The student will be able to</p> <ol style="list-style-type: none"> 1. Understand the concepts of vector spaces, bases and dimensions of a vector space. 2. To find the Jordan canonical forms of various linear transformation and thereby able to solve various problems. 3. Realise that the subject evolves as a generalization of solving a system of linear equations. 4. To find the Jordan canonical forms of various linear transformation and thereby able to solve various problems. 5. Having got trained in numerous examples the student realizes the isomorphic theory of Linear transformations and matrices.
P16MA23	Partial Differential Equations	<p>The student will be able to</p> <ol style="list-style-type: none"> 1. Acquire skills to solve Cauchy problem of first order equations and solve compatible system of first order equations using Charpit's method. 2. Gain knowledge on occurrence and derivation of Laplace and poisson equations. 3. Solve first order equations and nonlinear partial differential equations using various methods. 4. Identify and solve the three main classes of second order equations, elliptic, parabolic and hyperbolic. 5. Solve one dimensional wave equations using method of separation of variables.

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SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
P16MAE1C	Fuzzy Sets And Their Applications	<p>The student will be able to</p> <ol style="list-style-type: none"> 1. Gain knowledge about operations on fuzzy and evaluate problems on intervals and fuzzy numbers using functional operations. 2. Familiar with the extension principle, it's compatibility with the α-level sets and the usefulness of the principle in performing fuzzy number arithmetic operations. 3. Construct the appropriate fuzzy numbers corresponding to uncertain and imprecise collected data. 4. Determine the concepts of fuzzy compatibility relations, fuzzy ordering relations and fuzzy morphisms. 5. Understand the basic concepts of fuzzy sets, fuzzy arithmetic and fuzzy relations.
P16MAE2A	STOCHASTIC PROCESS	<p>The student will be able to</p> <ol style="list-style-type: none"> 1. Acquire skills to evaluate Markov chain with denumerable number of states. 2. Develop a positive attitude to categorize states and chains. 3. Give specification of stochastic process and give examples for steady process. 4. Understand Markov chains and explain the generalization of Independent Bernoulli trials. 5. Describe renewal processes in continuous time using Wald's equation.


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SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16MA31	Classical Dynamics	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand the Mechanical System of particles. 2. Derive Lagrange's equations of motion using d'Alembert's principle. 3. Compare dissipative systems and velocity dependent potentials. 4. Classify Hamilton Principle and other variational principles. <p>Analyse the concepts of Hamilton - Jacobi theory.</p>
P16MA32	Measure And Integration	<p>The learners will be able to</p> <ol style="list-style-type: none"> 1. Observe the idea of measurable function, simple functions and their properties. 2. Discuss about the importance of Riemann and Lebesgue integrals. 3. Classify measure and outer measure. 4. Understand the convergence in measure. 5. Describe the product Measure and Fubini's Theorem.
P16MA33	Topology	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand the various topological spaces. 2. Realize how topological spaces are generalization of metric spaces. 3. Explore the components and connectedness of topological spaces. 4. Elucidate the compact subspaces of real line. 5. Study Urysohn metrization Theorem and Tietz extension theorem.
P16MAE3	Discrete Mathematics	<p>The learners will be able to</p> <ol style="list-style-type: none"> 1. Describe Relations and Functions. 2. Explain Mathematical Logic. 3. Discuss different kinds of lattices and their properties. 4. Workout in detail Various Boolean identities, Karnaugh Map Method and Coding theory. 5. Elucidate Grammar and Languages.

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SEMESTER - III

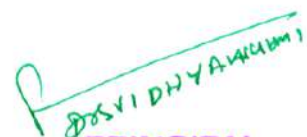
Course code	SUBJECT	COURSE OUTCOME
P16MAE4	Advanced Operations Research	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Understand Integer programming problem and apply OR techniques in business and management problems. 2. Solve Dynamic programming problems. 3. Describe Decision theory and Games. 4. Have the knowledge of Inventory models. 6. Demonstrate the nonlinear programming problems.

SEMESTER - IV

Course code	SUBJECT	COURSE OUTCOME
P16MA41	FUNCTIONAL ANALYSIS	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Study the three structure theorems of functional Analysis viz., Hahn- Banach theorem, Open Mapping theorem and Uniform boundedness Principle. 2. Analyze Hilbert spaces and orthogonality to the spectral theory of operations on a Hilbert space. 3. Understand functional analytic language required to study problems of practical interest. 4. Understand weak topology on a normed linear space and the appreciate Banach theorem. 5. Get a working knowledge on Banach algebra of bounded linear operator.
P16MA42	Differential Geometry	<p>The Learners will be able to</p> <ol style="list-style-type: none"> 1. Develop the notion of surfaces and their properties. 2. Study geodesics and differential geometry of surfaces. 3. Understand Canonical geodesic equations, curvature and Gauss-Bonnet theorem. 4. Get Knowledge on Second fundamental form, space curves and ruled surfaces. 5. Analyse how parametrizations of plane curves can be used to evaluate integrals over the curve.



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PG MATHEMATICS SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16MA43	Advanced Numerical Analysis	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Communicate the theory behind various numerical methods. 2. Apply these methods to solve mathematical problems. 3. Analyze the concepts of Hermite, Piecewise and spline Interpolation with examples. 4. Understand the techniques of Differentiation and Integration. 5. Solve ordinary differential equations using Truncation Error.
P16MAE5C	ALGEBRAIC NUMBER THEORY	<p>The Learns will be able to</p> <ol style="list-style-type: none"> 1. Analyze the students to the charm, niceties and nuances in the world of numbers. 2. Develop some of the Applications of the Theory of Numbers. 3. Describe the techniques of numerical calculations. 4. Knowledge on binary quadratic forms, 5. Diophantine equations, Pythagorean triangles with assorted examples. 6. Understand Fermat's theorem, Euler's theorem.

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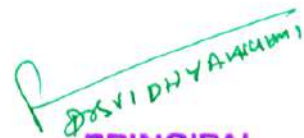
M.Phil., MATHEMATICS

SEMESTER - I

Course code	SUBJECT	COURSE OUTCOME
M18MA1	Research methodology	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Classify the types of Research, objectives of the Research. 2. Understand and apply the fundamental concepts of graphs in dominating sets. 3. Apply graph theory based tools in solving practical problems. 4. Explain the concepts of complex eigen values and multiple eigen values. 6. Analyze the structure of real world problems and plan solution strategies to solve the problems using appropriate tools.
M18MA2	Algebra and analysis	<p>The Learners will be able to</p> <ol style="list-style-type: none"> 1. Understand the concept of a module as a generalization Understand the key concepts introduced in this modules, investigate the properties of modules of a vector space and an abelian group. 2. Knowledge of basic properties of primary decompositions and Noetherian Rings, the topological concepts and Reisz representation theorem. 3. Analyze the notion of Lebesgue measure and their properties, the concepts of Laplace transforms and inverse Laplace transforms. 4. Explain the Riemann mapping theorem, Inversion theorem and Plancherel theorem 6. Ability to solve difficult problems using the above concepts.



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M.Phil., MATHEMATICS		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
M18TLS3	Teaching and learning skills	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Understand the operations and use of computers and common Accessories. 2. Develop skills of ICT and apply them in teaching learning context and Research. Appreciate the role of ICT in teaching, learning and Research 3. Understand the terms communication Technology and Computer mediated teaching and develop multimedia / e-content in their respective subject 4. Acquire the knowledge of communication skill with special reference to its elements, types, development and styles. 5. Develop different teaching skills for putting the content across to targeted.

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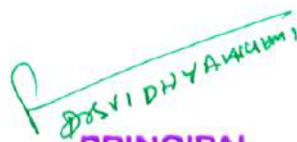
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Department of Microbiology

SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCMB1(6)	Core Course I Fundamentals of Microbiology	<ul style="list-style-type: none"> ▪ Understand the History and importance of Microbiology ▪ Explore the Microscope and staining techniques ▪ Demonstrate the Growth and control of microbes ▪ Describe the Culture media and culture techniques for the pure culture isolation ▪ Acquire the hope and opportunities in the Microbiology field
16SACBC1(4)	Allied Course I Biochemistry I	<ul style="list-style-type: none"> ▪ Understand the significance of Biochemistry ▪ Describe the chemistry of carbohydrates, lipids, proteins, and nucleic acids. ▪ Elaborate the classification and structural organization of proteins. ▪ Explain the catabolic reactions of carbohydrates, lipids and aminoacids.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCMB2(6)	Core Course II Microbial Metabolism	<ul style="list-style-type: none"> ▪ Explain the nutrition and growth of microorganisms ▪ Describe the bacterial enzymes - classification, properties and kinetics of enzyme action ▪ Elaborate the metabolism of carbohydrates, proteins and lipids ▪ Demonstrate the anaerobic mode of respiration ▪ Explore the process of Fermentation.



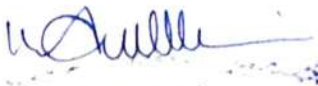
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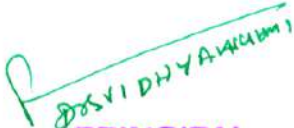


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Department of Microbiology

SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SACBC2(4)	Allied Course II Biochemistry II	<ul style="list-style-type: none"> ▪ Understand the blood groups and its functions ▪ Explain the types of hormones and the endocrine glands ▪ Demonstrate the diseases related with the hormones ▪ Acquire the knowledge on secondary metabolites ▪ Elaborate the phytohormones structures and the functions
16SCCMB1P(3)	Core Practical I Fundamentals of Microbiology and Microbial Metabolism (P)	<ul style="list-style-type: none"> ▪ Acquire the basic safety procedures of the microbial laboratory ▪ Explain the microscope and its operation ▪ Describe the culture media and cultivation methods. ▪ Understand the phases of microbial growth ▪ Demonstrate the identification of Bacteria through the biochemical tests.
16SACBCIP (3)	First Allied Practical- Biochemistry Practical I and II (P)	<ul style="list-style-type: none"> ▪ Perform the estimation of biomolecules ▪ Demonstrate the ascorbic acid estimation from the biological samples
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCMB3(6)	Core Course III- Immunology	<ul style="list-style-type: none"> ▪ Acquire the knowledge on the Immune system ▪ Understand the Immunity and its types ▪ Explain the Antigen and its types ▪ Describe the Antigen-antibody reactions ▪ Demonstrate the Hypersensitivity reactions and its types ▪ Explain the Immunodeficiency disorders ▪ Elaborate the Autoimmunity and transplantation


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SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SACBS1(4)	Second Allied Course I- Biostatistics	<ul style="list-style-type: none"> ▪ Elaborate the statistical methods and its functions ▪ Describe the data collection and its graphical representation ▪ Explain the various methods of data analysis. ▪ Understand the deviations of statistical data
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCMB4(5)	Core Course IV- Introductory Virology	<ul style="list-style-type: none"> ▪ Understand the virus and its classification ▪ Describe the phages and its types ▪ Elaborate viral diseases of plants, animals and microorganisms ▪ Clarify the epidemiology of viruses
16SACBS2(4)	Second Allied Course II Bioinformatics and Computer Applications in Biology	<ul style="list-style-type: none"> ▪ Understand the basics and applications of computers ▪ Describe the internet, internet services ▪ Explain the scope, development and applications of Bioinformatics. ▪ Demonstrate the biological databases
16SCCMB2P(3)	Core Practical II- Immunology and Introductory Virology (P)	<ul style="list-style-type: none"> ▪ Explore the blood groups and its types ▪ Understand the various pathological conditions ▪ Describe the blood cells and its types ▪ Isolate the bacteriophage and its concentration method. ▪ Demonstrate the various viral diseases
16SACBS1P(3)	Second Allied Practical- II Biostatistics and Bioinformatics (P)	<ul style="list-style-type: none"> ▪ Apply the statistical tools to represent the biological data ▪ Analyse the significance of the samples with statistical tests ▪ Explore the biomolecules with various data banks ▪ Evaluate the structure protein



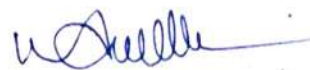
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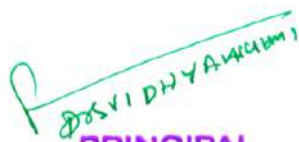
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SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16RSBE10:1(2)	Skill Based Elective I-Tourism and Travel Agency	<ul style="list-style-type: none"> ▪ Define tourism and its types with the basic components ▪ Describe the major segments of the travel industry and how they are related ▪ Identify the major trends in the travel, tourism and hospitality industry ▪ Explain the historical development of tourism and reception
SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCMB5(6)	Core Course V- Medical Microbiology	<ul style="list-style-type: none"> ▪ Clarify the epidemiology of bacterial, fungal and protozoan infections ▪ Describe the life cycle, pathogenesis, and diagnosis of viral infections ▪ Explain the methods of cultivation of pathogenic bacteria ▪ Identify the modes of bacterial, fungal and protozoan infections. ▪ Elaborate the normal flora of humans. ▪ Determine the antibiotic resistance in bacteria.
16SCCMB6(6)	Core Course VI- Agricultural and Environmental Microbiology	<ul style="list-style-type: none"> ▪ Understand the microorganisms in the Rhizosphere and phylloplane zones ▪ Explain the various plant diseases ▪ Demonstrate the aeromicrobiology ▪ Elaborate the methods of waste disposal ▪ Describe the commercial aspects of soil microbiology




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Tiruchirapalli - 620 002




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Department of Microbiology

SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCMB7 (6)	Core Course VII- Molecular Biology and Microbial Genetics	<ul style="list-style-type: none"> ▪ Understand the basics of genetics ▪ Explain the structure and chemical nature of DNA and RNA ▪ Elaborate the replication methods of DNA and RNA ▪ Describe the process of transcription and translation ▪ Clarify the various methods of bacterial reproduction ▪ Comprehend the mutation and its types
16SCCMB3 P(3)	Core Practical III- Medical Microbiology, Agricultural and Environmental Microbiology and Molecular Biology and Microbial Genetics (P)	<ul style="list-style-type: none"> ▪ Demonstrate the isolation methods of bacteria from the body fluid ▪ Identify the types of bacteria by microbiological, cultural and biochemical characteristics ▪ Determine the quality of air and water ▪ Analyse the physical, chemical nature of the soil ▪ Isolate the types of bacteria from various sources ▪ Demonstrate the bacterial transformation techniques
16SMBEM B1(5)	Major Based Elective I-Fundamentals of Botany and Zoology	<ul style="list-style-type: none"> ▪ Explain the classification of plants ▪ Describe the features and economic importance of plant kingdom ▪ Demonstrate the physiology and reproduction of plants ▪ Clarify the evolutionary theory of animals ▪ Comprehend the cell reproduction
16RSBE10: 2(2)	Skill Based Elective II-Cultural Tourism in India	<ul style="list-style-type: none"> ▪ Understand how cultural tourism has developed in India ▪ Comprehend the linkage of cultural tourism to the Indian heritage and history ▪ Explain the concept of ecotourism ▪ Elaborate the traditional fairs and festivals


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SEMESTER - V

Course code	SUBJECT	COURSE OUTCOME
16RSBE10:3(2)	Skill Based Elective III- Tourism Product - III	<ul style="list-style-type: none"> ▪ Describe the different types of tourism resources, their importance in tourism and management ▪ Acquire knowledge on documentation in travel industry ▪ Explain the heritage tourism with adventures ▪ Comprehend the tourism marketing and various strategies of tourism
RUGSDC(2)	Soft Skills Development	<ul style="list-style-type: none"> ▪ Improve the skills towards the positive attitude ▪ Expertise to build team and improve the group dynamics ▪ Learn the art of listening, speaking and writing ▪ Describe the corporate skills ▪ Discuss how to face the interview

SEMESTER - VI

Course code	SUBJECT	COURSE OUTCOME
16SCCMB8(6)	Core Course VIII- Food Microbiology	<ul style="list-style-type: none"> ▪ Illustrate the role of microorganisms in food safety ▪ Compare various physical and chemical methods to control the microorganisms in food ▪ Explain the factors that affect microbial growth in food ▪ Discuss microbial spoilage of food ▪ List food borne diseases ▪ Differentiate food borne infection and intoxication
16SCCMB9(6)	Core Course IX- Industrial Microbiology	<ul style="list-style-type: none"> ▪ Elaborate various aspects of industrial technology related to microbiology ▪ Screen industrially important strains ▪ State and explain the principles of fermenter design and computer assisted control ▪ Discuss fermentation process and downstream processing ▪ Describe industrial production of enzymes, antibiotics and amino acids



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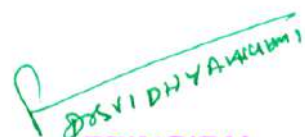


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SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCMB4P(3)	Core Practical IV- Food and Industrial Microbiology (CP)	<ul style="list-style-type: none"> ▪ Cultivate and enumerate microorganisms from various food samples ▪ Understand the beneficial role of microorganisms in fermented foods ▪ Know the spoilage mechanisms in foods ▪ Identify the methods to control the deterioration and spoilage of food ▪ Learn the various methods for involved in the production of industrially important products.
16SMBEMB2(6)	Major Based Elective II-Recombinant DNA Technology	<ul style="list-style-type: none"> ▪ Illustrate the tools and techniques in r DNA technology ▪ Discuss the handling and applications of different DNA and RNA modifying enzymes ▪ Explain the construction of genomic and DNA library ▪ Identify the problems associated with the production of recombinant proteins ▪ Demonstrate various applications of r DNA technology ▪ Clarify the environmental applications of Genetic Engineering through bioremediation
16SMBEMB3(5)	Major Based Elective III-Microbial Biotechnology and Bioethics	<ul style="list-style-type: none"> ▪ Outline the various products of microbial origin ▪ Explain the microbial biofertilizers ▪ Describe the single cell protein and its biotechnological potentials ▪ Elaborate the genetic Engineering of plants ▪ Understand the ethical aspects of human welfare ▪ Illustrate the IPR and its types


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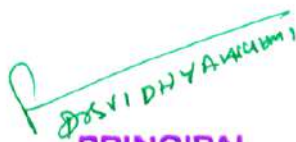
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SEMESTER - I

Course code	SUBJECT	COURSE OUTCOME
P16MB11(6)	Core Course I- Fundamentals of Biological Sciences	<ul style="list-style-type: none"> ▪ Understand the basic concepts of Biology ▪ Explain the general characters and reproduction of algae and fungi ▪ Describe the characters, types and reproduction in plants ▪ Elaborate the characters and methods of reproduction in animals ▪ Clarify the methods of pest control
P16MB12(6)	Core Course II- General Microbiology	<ul style="list-style-type: none"> ▪ Understand the importance and history of Microbiology ▪ Demonstrate the Microscope and staining techniques ▪ Explain the growth and control of microorganisms ▪ Describe the culture media and culture techniques. ▪ Outline the sterilization techniques
P16MB13(5)	Core Course III- Virology	<ul style="list-style-type: none"> ▪ Explain the general account of viruses ▪ Elaborate the bacteriophages and its types ▪ Describe the plant, animal and human viral diseases ▪ Correlate the Instrumentation relevant to virology
P16MB14(5)	Core Course IV- General Biochemistry	<ul style="list-style-type: none"> ▪ Outline the composition of living matter ▪ Explain the enzymes and their working mechanism ▪ Elaborate the types of macromolecules ▪ Describe the concept of Bioenergetics ▪ Illustrate the basics of metabolism




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SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16MB15P(8)	Core Practical I - Fundamentals of Biological Sciences, General Microbiology, Virology, General Biochemistry- Practical	<ul style="list-style-type: none"> ▪ Demonstrate the principles and methods of sterilization ▪ Explain the microscopical features of microbes ▪ Describe the preparation of various media and the inoculation methods ▪ Clarify the pure culture techniques ▪ Illustrate the isolation and characterization of bacteriophages
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16MB21(6)	Core Course V- Microbial Physiology	<ul style="list-style-type: none"> ▪ Explain the nutrition and growth of microorganisms ▪ Illustrate the bacterial enzymes, classification and their properties ▪ Describe the metabolism of carbohydrates, proteins and lipids ▪ Understand the anaerobic respiration ▪ Demonstrate the fermentation
P16MB22(6)	Core course VI- Environmental and Agricultural Microbiology	<ul style="list-style-type: none"> ▪ Understand the microorganisms in the Rhizosphere and phylloplane zones ▪ Explain the various plant diseases ▪ Demonstrate the aeromicrobiology ▪ Elaborate the methods of waste disposal ▪ Describe the commercial aspects of soil microbiology
P16MB23P(8)	Core Practical II- Microbial Physiology, Environmental and Agricultural Microbiology - Practical	<ul style="list-style-type: none"> ▪ Explain the microbial growth and its optimization ▪ Describe the biochemical characterization of bacteria ▪ Demonstrate the carbohydrate fermentation ▪ Expertise in the isolation of bacteria and algae. ▪ Demonstrate the microbial diseases of plants

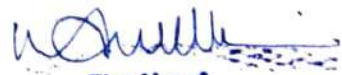


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SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16MBE1B(5)	Elective course I- Food and Dairy Microbiology	<ul style="list-style-type: none"> Understand the microflora of the food Describe the food and nutrients concept Explain the food fermentation and dairy production Clarify the food contamination Elaborate the food borne diseases and food poisoning Illustrate the food preservation and quality control
P16MBE2B(5)	Elective course II- Quality Control and IPR	<ul style="list-style-type: none"> Understand the IPR and its types Explain the concepts of biotechnology inventions and their commercialization Explain the biological good manufacturing practices and their bio safety assessment
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16MB31(6)	Core Course VI Molecular Biology and Microbial Genetics	<ul style="list-style-type: none"> Understand the basics of genetics Explain the structure and chemical nature of DNA and RNA Elaborate the replication methods of DNA and RNA Describe the process of transcription and translation Clarify the various methods of bacterial reproduction Comprehend the mutation and its types
P16MB32(6)	Core Course VII Immunology	<ul style="list-style-type: none"> Acquire the knowledge on the Immune system Understand the Immunity and its types Explain the Antigen and its types Describe the Antigen-antibody reactions Demonstrate the Hypersensitivity reactions and its types Explain the Immunodeficiency disorders Elaborate the Autoimmunity and transplantation


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SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
P16MB33P (8)	Core Practical III-Molecular Biology and Microbial Genetics, <i>and</i> Immunology - Practical	<ul style="list-style-type: none"> ▪ Identify the blood groups and Rh typing ▪ Understand the types of blood cells ▪ Explain the isolation of genomic DNA and plasmid DNA from bacteria ▪ Describe the isolation of protein ▪ Demonstrate the blotting techniques
P16MBE3B (5)	Major Based Elective III- Marine Microbiology	<ul style="list-style-type: none"> ▪ Understand the marine habitats and diversity of microbes ▪ Explain the cultivation of marine microbes and the nutrient cycling ▪ Elaborate the sea food microbiology ▪ Demonstrate the marine microbial products ▪ Explain the marine extremophiles
P16MBE4B (5)	Major Based Elective IV- Genetic Engineering	<ul style="list-style-type: none"> ▪ Illustrate the tools and techniques in r DNA technology ▪ Discuss the handling and applications of different DNA and RNA modifying enzymes ▪ Explain the construction of genomic and DNA library ▪ Identify the problems associated with the production of recombinant proteins ▪ Demonstrate various applications of r DNA technology ▪ Clarify the environmental applications of Genetic Engineering through bioremediation

SEMESTER - IV

Course code	SUBJECT	COURSE OUTCOME
P16MB41(5)	Core Course IX . Medical Microbiology	<ul style="list-style-type: none"> ▪ Clarify the epidemiology of bacterial, fungal and protozoan infections ▪ Describe the life cycle, pathogenesis, and diagnosis of viral infections ▪ Explain the methods of cultivation of pathogenic bacteria ▪ Identify the modes of bacterial, fungal and protozoan infections ▪ Elaborate the normal flora of humans ▪ Determine the antibiotic resistance in bacteria

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SEMESTER - IV

Course code	SUBJECT	COURSE OUTCOME
P16MB42(5)	Core Course X- Bioprocess Technology	<ul style="list-style-type: none"> Elaborate various aspects of industrial technology related to microbiology Screen industrially important strains State and explain the principles of fermenter design and computer assisted control Discuss fermentation process and downstream processing Describe industrial production of enzymes, antibiotics and aminoacids
P16MB43P(8)	Core Practical IV- Medical Microbiology & Bioprocess Technology - Practical	<ul style="list-style-type: none"> Understand the collection, transport and examination of clinical specimens Identify the respiratory tract infecting organisms Explain the pathogens from the body fluids Illustrate the production of industrially important products Elaborate the fermentation oriented products
P16MBPW(5)	Project	<ul style="list-style-type: none"> Enhance the practical knowledge on the field Extend the higher studies to the research
P16MBE5A(7)	Major Based Elective 5- Microbial Biotechnology	<ul style="list-style-type: none"> Outline the various products of microbial origin Explain the microbial biofertilizers Describe the single cell protein and its biotechnological potentials Elaborate the genetic Engineering of plants





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M.Phil., Microbiology		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
M18MB1	Research Methodology	<ul style="list-style-type: none"> ▪ Discuss the various steps involved in conducting research ▪ Explain the objective in research ▪ List the motivation in research ▪ Recall the basic criteria for a good research ▪ Distinguish between various scaling techniques used in research
M18MB2	Trends in Microbiology	<ul style="list-style-type: none"> ▪ Explain the microbial diversity and its isolation methods ▪ Demonstrate the production of microbial products ▪ Apply the microorganisms in the bioremediation process ▪ Describe the assessment of the quality of food ▪ Elaborate the tools in the Bioinformatics
M18TLS3	Teaching and Learning Skills	<ul style="list-style-type: none"> ▪ Apply the ICT tools on Research ▪ Explain the various communication skills ▪ Execute the pedagogy technique on the research ▪ Describe the e-learning resources ▪ Assess the skills of teaching and technology
M18MB4	Paper on Topic of Research	<ul style="list-style-type: none"> ▪ It is designed by the Guide


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SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM1	Differential calculus And trigonometry	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Explain the relationship between the derivative of a function as a function and the notion of the derivative as the slope of the tangent line to a function at a point. 2. Find maxima and minima, critical points and inflection points of functions and to determine centre of curvature. 3. Demonstrate knowledge of several trigonometric identities and use them to verify other identities. 4. Evaluate trigonometric, hyperbolic and inverse trigonometric functions. 6. Understand polar coordinates, equations and graphs, the complex plane and DeMoivre's Theorem.
16SCCPH1	Properties of matter and Acoustics	<ol style="list-style-type: none"> 1. Study the elastic behaviour and working of torsional pendulum 2. Study of bending behaviour beams and analyse the expression for young's modulus 3. Understand the surface tension and viscosity of fluid. 4. Study the production and detection of ultrasonics . 5. Describe the production, detection of ultrasonic waves and application.
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCPH2	Mechanics	<ol style="list-style-type: none"> 1. Understand the definition for centre of gravity in hemisphere, hollow hemisphere etc., 2. Understand the dynamics and gravitation . 3. Study the behaviour of rigid body dynamics. 4. It provides the basic concepts related to the motion of all the objects around us in our daily life. 5. To understand the concept of Newton's laws of Gravitation.



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SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
16SCCMM2	Integral Calculus	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Apply Integral calculus to solve problems. 2. Solve definite and indefinite integrals using substitution, integration by parts and other standards techniques. 3. Solve application problem in multiple integrals. 4. Apply the Fundamental theorem of calculus to evaluate definite integrals. 5. Able to solve Integrals by using Beta and Gamma functions.
16SCCMM3	Differential Equations And Laplace Transforms	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Solve and apply linear differential equations of first order, (higher degree) second order. 2. Solve linear differential equations using Laplace transform techniques. 3. Develop the ability to apply ordinary and partial differential equations to significant applied and theoretical problems. 4. Distinguish between the Linear and Non Linear Partial and Ordinary Differential equations. 5. To learn to apply Laplace Transform to solve Ordinary Differential equations with constant coefficients.
16SCCPH1P	Major practical-I	<p>In this lab course, the students will gain hands-on experience in performing different experiments, such as,</p> <ol style="list-style-type: none"> 1.To determine the acceleration due to gravity by Compound pendulum, 2. To determine the Young's modulus of a wire by Non uniform bending method. 3.To determine the refractive index of a material of a prism by using a Spectrometer. 4.To determine the temperature of coefficient of thermistor using PO box. 5.To determine the focal length of concave lens.



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SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SCCPH3	Thermal Physics	1. Understand and to define heat, work, thermal efficiency. 2. To understand various thermodynamic processes like isothermal, isobaric, isochoric processes and laws of thermodynamics. 3. To understand the concept of entropy. 4. To understand Carnot's cycle, Heat engines and Refrigerators. 5. Understanding the low temperature physics.
16SACCS1	COMPUTER SCIENCE I (Programming In C)	The Students will be able to 1. Understand introduction to computers and their applications. 2. Evaluate C program. 3. Define functions and arrays. 4. Operate pointers. 5. Execute data of files
16ANMESW1	Human Rights	1. To make students understand the meaning of Human rights 2. To enlighten students on the universal declaration of human rights. 3. To inform students about the Indian constitutional guarantee of human rights. 4. To make students aware about the violence of human rights. 5. To teach students about voluntary organization working at the international level.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SCCPH4	Electricity, Magnetism and Electromagnetism	1. Study the laws of electricity and magnetism and its applications. 2. Understand the properties of magnetic materials. 3. To understand the concept and study Biot-Savart's law and its application. 4. To study the self-inductance(L) and mutual inductance(M). 5. To study the current rise and decay in LR,CR and LCR-circuit.



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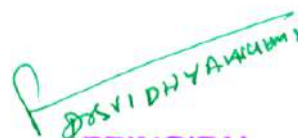
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SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SACCS2	Computer Science III (Principles Of Information Technology)	Students will be able to 1. Classify digital computer system. 2. Recognise general software features and trends. 3. Explain data processing. 4. Distinguish internet- intranet. 5. Operate multimedia tools
16ANMESW2	Contemporary Social Issues and Problems	1. To Familiarise students with the concepts of poverty 2. To inform the students about the beggary 3. To highlight the issue of alcoholism and drug addiction 4. To teach students about the issue of juvenile delinquency
16RSBE9:1	Introduction to Marketing Management	To understand the concept and functions of marketing 1. To know the importance of marketing planning. 2. To learn the types of marketing organisation. 3. To discuss the importance of advertising strategy.
16SACCS1P	Computer Science II (Practical)	The Students will be able to 1. Solve quadratic equation. 2. Understand the conversion of number system. 3. Implement ascending and descending order of numbers using arrays. 4. Execute Matrix operations. 5. Manipulate strings
16SCCPH2P	Major Practical- II	1. To draw the characteristics curves of semiconductor diode and Zener diode. 2. To determine a resistance by Carey-Foster Bridge. 3. Deal with liquids based on their viscosity 4. To gain practical knowledge about young's modulus by bending of beam. 5. To determine the refractive index of a material of a liquid prism using a Spectrometer.



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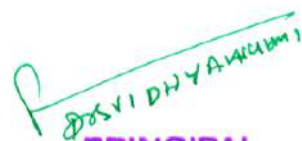
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SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16SCCPH5	Optics	<ol style="list-style-type: none"> 1. Distinguish the different types of aberrations and achromatism. 2. Use different types of eyepieces according to their application. 3. Calculate wavelength difference and fringe width from the interference. 4. To know the concept and study of polarization. 5. Understand the resolving power of different optical instruments.
16SCCPH6	Atomic and Molecular Physics	<ol style="list-style-type: none"> 1. Understand the properties of positive rays, experimental proof by frank and hertz method. 2. Analyse the relationship between various types of couplings. 3. Understand the properties of x-ray 's verification. 4. Understand the laser action phenomena, properties of laser. 5. Understand the Photoelectric Effect.
16SCCPH7	Electronics	<ol style="list-style-type: none"> 1. Understand the characteristics of diode and working of rectifier circuits. 2. Analyse the characteristics of transistor and transistor biasing circuits 3. Understand the binary arithmetic, logics and boolean functions 4. Understand the fundamentals of codes and number system. 5. To know the concept of operational amplifier and its applications.
16SMBEPH 1(Elective)	Material Science	<ol style="list-style-type: none"> 1. Know about various types of bonding. 2. Distinguish between various types of crystal imperfection. 3. The course provides an overview of nanomaterials. 4. Understand the applications of fibre optic materials 5. Study the mechanical behaviour of materials.



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SEMESTER - V		
Course code	SUBJECT	COURSE OUTCOME
16RSBE9:2	Sales Management	<ol style="list-style-type: none"> 1. To understand the concept of sales management 2. To examine the qualities of a good sales man 3. To know how to handle the mails 4. To evaluate sales planning and budgeting
16RSBE9:3	Retail Management	<ol style="list-style-type: none"> 1. To provide deep knowledge about retail growth 2. To know the importance of consumer behaviour 3. To develop an action plan to design and display stores layout 4. To understand the concept of retail format
RUGSDC	Soft Skills Development	<ul style="list-style-type: none"> ▪ Improve the skills towards the positive attitude ▪ Expertise to build team and improve the group dynamics ▪ Learn the art of listening, speaking and writing ▪ Describe the corporate skills <p>Discuss how to face the interview</p>
16SCCPH3P	Major Practical-III	<ol style="list-style-type: none"> 1. To determine the figure of merit of a galvanometer 2. Calibration of high voltmeter by using a potentiometer. 3. Understand half adder and full adder. 4. To design and study OPAMP as an adder and Subtractor. 5. To determine i-d curve using spectrometer.
SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCPH8	Nuclear Physics	<ol style="list-style-type: none"> 1. explain the origin of radioactivity, liquid drop and shell model of nucleus. 2. To study the concept of fission and fusion. 3. To know the concept of nuclear model. 4. To know the concept of particle accelerators. 5. To know the concept of Elementary particle .

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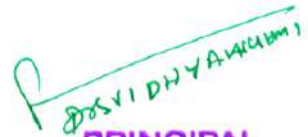
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SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
UGGS	Gender Studies	<ol style="list-style-type: none"> 1. Utilize critical thinking, writing, and speaking skills, as well as information literacy 2. Analyze complex interconnections of gender, race, class, sexuality, ability, and other categories of power and identity in various spheres of human endeavor ranging from the socio political to the aesthetic 3. Demonstrate an openness to learning about people, cultures, and societies different from themselves and their own worlds 4. Understand and analyze forces shaping individual experiences as well as social structure and institutions such as the family, workplace, and media 5. Apply central concepts and theories from Gender Studies to their own life experiences and the world around them.
16SCCPH4P	Major Practical-IV	<ol style="list-style-type: none"> 1. To verify and design AND, OR, NOT and XOR gate using NAND gates. 2. To verify and design AND, OR, NOT and XOR gate using NOR gates. 3. To design and study the FET amplifier. 4. Write a program to ADD the 8 bit number. 5. Execution of simple „C“ Programme.



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SEMESTER - VI		
Course code	SUBJECT	COURSE OUTCOME
16SCCPH9	Theoretical Physics	<ol style="list-style-type: none"> 1. Understand the basic significance of mechanics of a system of particles. 2. Perform the theories of quantum mechanics into Schrodinger wave equation. 3. To study the Hamilton's equations of motion. 4. Students have knowledge of approximation method of quantum mechanics, that is Time independent equations. 5. understand the concept of matter waves.
16SMBEPH2:2	Microprocessor and C Programming	<ol style="list-style-type: none"> 1. Understand the basic concepts of INTEL 8085. 2. To know about basics of Digital computer. 3. List and describe memory and addressing modes. 4. To know about preliminaries and functions. 5. Execution of simple C Programme.
16SMBEPH3(Elective)	Communication Physics	<ol style="list-style-type: none"> 1. Explain the concept of amplitude and frequency modulation 2. Know fundamental of AM radio receiver and superheterodyne receiver. 3. Compare working principle of single mode and multimode optical fibres. 4. Understand about Satellite communication. 5. To know about basic ideas of mobile services, wifi-3G.


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SEMESTER - I		
Course code	Course code	Course code
P16PY12	Classical Dynamics and Relativity	<p>Students will learn mathematical techniques of Classical Mechanics</p> <ol style="list-style-type: none"> 1. Derivations, necessity and applications of Lagrangian and Hamiltonian formulations. 2. To Know the Motion under Central Force. 3. Understand the canonical transformation & Poisson brackets. 4. To illustrate the dynamics of a rigid body . 5. To Understand Lorentz transformation
P16PY13	Electronics	<p>Knowledge gained in areas like</p> <ol style="list-style-type: none"> 1. Advanced Semiconductor Devices . 2. Utility of Operational Amplifiers and Solving Simultaneous Equations 3. Integrated Circuits fabrication Techniques, 4. Applications of Timer IC and building block of digital System. 5. Understand combinational and sequential circuits.
P16PY14	Methods of Spectroscopy	<p>To familiarize with</p> <ol style="list-style-type: none"> 1. Basic principles of various spectroscopic technique 2. Application in determination of atomic structure 3. Study the Raman and electronic spectra of molecules 4. Study the microwave and infrared spectroscopy. 5. Understand the basic concept of NMR and ESR spectroscopy.
P16PY15P	Physics Practical-I (General and Electronics)	<ol style="list-style-type: none"> 1. To acquire hands of knowledge of characteristics of UJT. 2. To understand the different moduli using elliptical fringes. 3. To gain knowledge of the hydrogen spectrum. 4. To study the operation of shift register. 5. To study the Astable Multivibrator using 555 Timer.

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Department of Physics

ALLIED PAPERS		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
16SACCS1	COMPUTER SCIENCE I (Programming In C)	The Students will be able to 1. Understand introduction to computers and their applications. 2. Evaluate C program. 3. Define functions and arrays. 4. Operate pointers. 5. Execute data of files
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
16SACCS1P	Computer Science II (Practical)	The Students will be able to 1. Solve quadratic equation. 2. Understand the conversion of number system. 3. Implement ascending and descending order of numbers using arrays. 4. Execute Matrix operations. 5. Manipulate strings
16SACCS2	Computer Science III (Principles Of Information Technology)	The Students will be able to 1. Classify digital computer system. 2. Recognise general software features and trends. 3. Explain data processing. 4. Distinguish internet- intranet. 5. Operate multimedia tools
PG Physics		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16PY11	Mathematical Physics	1. Understand mathematical concepts and techniques in Vector Analysis. 2. To teach about an understanding of Tensors. 3. To give the basic knowledge of Group theory. 4. To train the students to solve problems related to complex variables which contain real and imaginary parts. 5. Various special functions and important transforms and their applications.

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PG Physics

SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
P16PYE2 (Elective -II)	Numerical Methods and C++ Programming	To learn Numerical Methods of computing in C++ 1. Curve fitting and interpolation 2. Solution of Linear and non linear equations 3. Numerical Integration and Differentiation 4. Numerical Solution of Ordinary Differential Equations 5. Understand the theory for Gauss Forward and Backward difference rule

SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
P16PY31	Statistical Mechanics	1. To Understand Thermodynamical laws 2. Understand the concepts of Elements of ensemble theory - A system in micro canonical, canonical, and grand canonical ensembles 3. To understand Application of Quantum Statistical Mechanics. 4. To Learn Fermi Dirac and Bose-Einstein distributions. 5. Understand the concepts of statistical mechanics: macroscopic and microscopic states.
P16PY32	Solid State Physics	1. To acquire knowledge Basic structure of Crystal, Lattice Vibrations. 2. To Understand Free electron. Theory, Energy Bands and Semiconductor Crystal. 3. To study Dia, Para, Ferro and Anti Ferro Magnetism. 4. To Learn Superconductivity. 5. To know the fundamentals of ferroelectric properties of materials.

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PG Physics		
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16PY21	Electromagnetic Theory	<ol style="list-style-type: none"> 1. To learn the theory for the fields produced by stationary and moving charge and charged system. 2. Propagation in Rectangular wave guides. 3. Study the Maxwell equation. 4. To understand electromagnetic waves in free space. 5. To know the hysteresis.
P16PY22	Quantum Mechanics	<ol style="list-style-type: none"> 1. Study the basic physical concept of quantum mechanics 2. To understand the fundamental concepts such as Schrodinger equation 3. To verify the first order and second order Perturbations theory . 4 Understand the basic ideas of spin angular momentum. 5. To Understand Heisenberg principle.
P16PY23P	Physics Practical-II	<ol style="list-style-type: none"> 1. Developing Programming skills of microprocessor 8085 and study of interfacing kits. 2. Solving mathematical problems using C++ such as Least Square Fit. 3. Apply C++ program to solve Lagrange method. 4. To Solve Euler method using C++. 5. To Evaluate RungeKutta method using C++.
P16PYE1 (Elective-I)	Microprocessor and Microcontroller	<p>Gained knowledge in</p> <ol style="list-style-type: none"> 1. 8085 microprocessor and its architecture, 2. 8085 Programming and its Peripherals 3. 8051 Microcontroller, its architecture and Programming. 4. To Learn Instruction cycle and timing diagram 8085. 5. To Study 8051 addressing mode.

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PG Physics		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16PY33P	Physics Practical-III (General and Electronics)	<ol style="list-style-type: none"> 1.To learn experimental Determination of certain physical constants and properties hyperbolic fringes . 2. Study the electrical and magnetic behaviour of materials by four probe and hall experiment. 3.Verification of characteristics and application of electronic components LED,LASER Diode . 4.Study of Flip-Flop . 5.Study of Schmitt trigger using OPAMP.
P16PYE3 (Elective-III)	Crystal Growth and Thin Film Physics	<ol style="list-style-type: none"> 1. To understand the theoretical concepts Crystallozation Principle. 2.To Know the Various Growth Technique. 3.To Learn Thin Film Deposition Technique. 4.To understand Methods of Gel growth. 5.To study FT-IR analysis.
P16PYE4 (Elective-IV)	Non Linear Optics	<ol style="list-style-type: none"> 1. To learn the basic principles and working of Lasers. 2.To learn Multiphoton Process. 3.To acquire Non linear optic basics and material. 4.To Study fiber optics materials . 5.To Learn types of fibres.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16PY41	Nuclear and Particle Physics	<ol style="list-style-type: none"> 1. To understand Various aspect of nucleus properties. 2 Learn about the process of Radioactive Decays. 3. Learn the basic aspects of nuclear reaction. 4.To study the Fission and Fusion Reactors. 5.To Learn about Particle Physics.
P16PY42	Advanced Physics	<ol style="list-style-type: none"> 1. Acquired knowledge in Astrophysics and Radio Astronomy. 2.To Study the Overview of ISRO. 3.To Understand Biomedical Instruments 4. To Learn Wireless communication technology such as GSM,CDMA. 5.To Understand Satellite Communication and LAN Topologies .

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PG Physics		
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16PY43P	Physics Practical-IV (Electronics)	<ol style="list-style-type: none"> 1.To verify the charecteristics and applications of electronic components and devices such as D/A convertor. 2.To study digital comparator. 3.Comprehend the principle of Hall effect. 4.To Gain knowledge in ALU. 5.To study UP/DOWN counter.
P16PYE5 (Elective-V)	Nano Physics	<ol style="list-style-type: none"> 1. To learn Nano and types of Nano material. 2.To understand Carbon Nanostructure. 3.To study the Fabrication of nano materials. 4.To learn the Charecterization of nanomaterial. 5.To understand the Application of nano material such as nanorobot.
P16PYPW	Project	<ol style="list-style-type: none"> 1.To understand the basic ideas of the materials . 2. Prepare and optimize the materials by various methods . 3. Characterize the materials using various methods. 4. Study the materials into application side. 5. Useful results obtained by the project work for future studies

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Department of Social Work

PG Social Work		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16SW11	Introduction to Social Work & Society	<ul style="list-style-type: none"> ▪ Remember the historical context of origin and development of social work profession. ▪ Understand social and religious ideologies of India for ensuring change. ▪ Cultivate an understanding and apply the theoretical framework of the subject. ▪ Analyze the idea about the social structure and social problems. ▪ Evaluate and infuse a philosophical foundation value base of social work profession.
P16SW12	Social Case Work	<ul style="list-style-type: none"> ▪ Remember casework as method of social work and to understand the values and principles of working with individuals and families. ▪ Understand the ability to critically analyse the problems of individual and families factors affecting them. ▪ Apply the basic concepts, tools and techniques in working with individuals and families in problem solving and development work. ▪ Analyze appropriate skills and attitudes to work with individuals and families. ▪ Evaluate the ability to reflect on self as person and grow as a professional social worker.


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PG Social Work		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16SW13	Social Group Work	<ul style="list-style-type: none"> ▪ Remember the importance of groups in the life of an individual and develop awareness about the specific characteristics of group work and its contributions as a method of social work intervention. ▪ Understand the group formation and use of variety of groups approaches and to understand concepts, dynamics and models. ▪ Apply knowledge to the principles, skills and techniques to be used by the social worker in group. ▪ Analyse the awareness of the various programme media and skills of programme planning. ▪ Evaluate various situation and settings where the method could be used in the context of social realities.
P16SW14P	Field Work Practice	<ul style="list-style-type: none"> ▪ The importance and place of practice in the social work education. ▪ Acquire skills of systematic observation and to develop a spirit of enquiry ▪ Provide opportunities to experience rural life ,analyse, rural dynamics and to observe the functioning of local self government and voluntary agencies. ▪ Two programme should organised by groups.
P16SWEI	Counselling Theory & Practice	<ul style="list-style-type: none"> ▪ Remember the holistic understanding of counselling as a tool for help. ▪ understand knowledge of various approaches ,their theoretical under-planning for goals, values ,processes ,and techniques. ▪ Apply and develop skills of application to real life situations. ▪ Analyze the ability to recognise and synthesise attitudes and values that enhance investment of self in the counsellors role. ▪ Evaluate ability to use the tools /scales in various settings.


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PG Social Work		
SEMESTER - II		
Course code	SUBJECT	COURSE OUTCOME
P16SW21	Community Organisation & Social Action	<ul style="list-style-type: none"> ▪ Remember the different aspects of a community, its functions and problems. ▪ Understand the critical elements of community organisation process. ▪ About the critical understanding of models and strategies for CO. ▪ Analyze develop attitudes conducive to participatory activities for a civil society. ▪ Evaluation and gain knowledge on the various techniques and skills of community organisation and social action and to develop the basic skills to apply for those in the community.
P16SW22	Social Work Research & Social Statistics	<ul style="list-style-type: none"> ▪ Formulate the scientific approach to human enquiry in comparison to the native or common sense approach in various aspects and its process. ▪ Understand the major research strategies ,meaning ,scope and the importance of social work practice. ▪ Application of linkage between the practice, research, theory and their role in enriching one another. ▪ Analyze develop attitudes favourable to the judicious integration practice, research and theory, and to develop skills for the use of library and documentation service for research. ▪ Evaluate the ability to conceptualise, formulate ,and conduct simple research projects(includes basic research skills such as conceptualisation of a research strategy and problem, writing a research proposal ,developing tools for collecting data, use of sampling strategies ,data collection methods, processing, presentation, analysis interpretation, writing research report etc)


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SEMESTER - II

Course code	SUBJECT	COURSE OUTCOME
P16SW23	Human Growth & Personality Development	<ul style="list-style-type: none"> ▪ Understand the role of hereditary and environmental influences in growth and development. ▪ Apply knowledge in interactional nature of growth and behaviour at various stages in life :infancy, childhood, adolescence, youth, adulthood and old age. ▪ Critically handling development of sensitivity towards needs, developmental tasks and health status along with the need for developmental programmes for the same. ▪ Evaluate growth, development and health in social work practice in general and individuals ,groups and communities in particular.
P16SW24P	Field work Practice	<ul style="list-style-type: none"> ▪ Agency Placement in generic setting of practice ,to initiate and participate in direct delivery. ▪ Importance to be given for the practice social work methods.
P16SWE2	Human Resource Management	<ul style="list-style-type: none"> ▪ Remember the concepts of management and its theories. ▪ Understand the meaning ,scope of human resource management and the role of HR Manager. ▪ Apply the functions of Human resource management ▪ Analyze the various practice of wage and salary administration. ▪ Evaluate the application of industrial social work.

SEMESTER - III

Course code	SUBJECT	COURSE OUTCOME
P16SW31	Social Welfare Administration ,Social Policies & Social Legislations	<ul style="list-style-type: none"> ▪ Remember the meaning and the administration of social welfare agencies in the context of social work profession. ▪ Understand the skills to participate in management ,administration process and programme delivery. ▪ Apply the knowledge in the relationship between policy and programme and to analyse the process as applied in specific settings and specific programmes. ▪ Critically handling policy analysis and policy formulation and to study social policies ,plans, legislations and programmes so as to able to interrupt enforce and challenge them. ▪ Evaluating indicators of social development and the critical concepts of social development.

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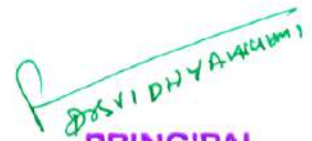
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PG Social Work		
SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16SW32A	Rural Community Development	<ul style="list-style-type: none"> ▪ Remember rural realities, ▪ Understanding the development of sensitivity and commitment for working with rural communities. ▪ Apply knowledge about governmental and voluntary efforts towards rural community development. ▪ Analyze specific skills and techniques of working with rural communities. ▪ Evaluate rural community development programmes.
P16SW32B	Community Health	<ul style="list-style-type: none"> ▪ Remember health and hygiene and related aspects. ▪ Understand the diseases and occupational health. ▪ Apply knowledge in health education ▪ Analyse the health care delivery system. ▪ Evaluate health work in the community.
P16SW32D	Human Resource Development	<ul style="list-style-type: none"> ▪ Remember the concept of human resource development and related aspects. ▪ Understand the performance appraisal techniques. ▪ Apply skills in training and development as a part of human resource development. ▪ Analyze the trends in human resource development. ▪ Evaluate the concept and application of leadership
P16SW33A	Tribal Community Development & Project Management	<ul style="list-style-type: none"> ▪ Understand the unique nature of Tribal culture. ▪ Remember the development of sensitivity and commitment for working with tribal community. ▪ Apply knowledge on the government and voluntary efforts towards tribal development ▪ Analyze the specific skills and techniques of working with tribal communities. ▪ Evaluate the planning and management of development.




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SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16SW33B	Medical Social Work	<ul style="list-style-type: none"> ▪ Remember the concept of medical social work and related aspects. ▪ Understand the Psychological, Social and Economic implications of Illness and Disability ▪ Apply knowledge in functions of hospitals as a formal organisation. ▪ Analyze the problem of Impairment ,Disability and Handicap. ▪ Evaluate the specific needs and problems of patients and their families.
P16SW33D	Labour welfare and industrial relations	<ul style="list-style-type: none"> ▪ Remember the concept of industrial relations. ▪ Understand the issues of labour welfare ▪ Apply knowledge to the students about the labour legislations in india. ▪ Enlighten the students about social security legislations. ▪ Evaluate the issues of industrial conflict.
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16SW41A	Urban Community Development	<ul style="list-style-type: none"> ▪ Understand the unique nature of urban community. ▪ Remember and develop sensitivity and communicationfor working with urban poor. ▪ Apply Knowledge on the government and voluntary efforts towardsurban development. ▪ Analyze the specific sills and techniques of working ▪ Evaluate the urban development programmes in India.
P16SW42B	Psychiatric Social work	<ul style="list-style-type: none"> ▪ Remember the concept of psychiatric social work. ▪ Understand the historical development of psychiatric social work ▪ Analyze the signs and symptoms of psychiatric illnesses. ▪ Apply therapeutic intervention in psychiatric illness. ▪ Evaluate the scope of psychiatric social work practice.


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SEMESTER - IV

Course code	SUBJECT	COURSE OUTCOME
P16SW42D	Organisational Behaviour	<ul style="list-style-type: none">Remember the students themselves and be able to recognise individual differences in others.Understand the OB theories that influence individual and group behaviour.Apply how to form effective work teams.Apply how to change individuals attitude and motivationEvaluate effective team leadership.
P16SW42P	Field Work Practice	<ul style="list-style-type: none">General guidelines for community DevelopmentExposure to DRDA/panchayat union and Panchayat administration.Orientation to community based surveys /PRA.Organise one need based community programme.practice of social work methods in community settings (rural/Urban /Slum/tribal Areas)Knowledge of CD Programmes.General guidelines for Medical and Psychiatric social work studentsPractice of social case work with at least five clients.Practice of social group with at least groups.one community based programme.General guidelines for HRM students.Exposure to welfare measures and programmes in industriesOrientation to IR activities/Trade unionUnderstanding of orientation profile/organisational cultureKnowledge of labour legislations


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PG Social Work**SEMESTER - IV**

Course code	SUBJECT	COURSE OUTCOME
P16SWE4	Disaster Management	<ul style="list-style-type: none"> Remember the ecosystem ,equilibrium and disequilibrium. Understand and develop skills to analyse factors contributing disaster. Apply the knowledge adjustment management Analyze develop skills to participate in disaster management Evaluate an understanding of the social workers role in the team for disaster.
P16SWE5P	Block Placement- (Internship)	<ul style="list-style-type: none"> Remember the practice skill and integrate learning. develop greater understanding of reality situations through involvement in day to day work. Develop appreciation of others efforts and develop sensitivity to gaps in the programme Enhance awareness of self in the role of a professional social worker. Apply skills methods and approaches s of social work.
P16SWPW	Research .Project Work	<ul style="list-style-type: none"> Remember the problem and phase of research. Understand the basic skills of preparing and submitting dissertation. Apply knowledge in plan ,execution of research process. Analyze the significance of research proposal and research report. Evaluate the technical aspects in research execution.

M.Phil., Social Work**SEMESTER - I**

Course code	SUBJECT	COURSE OUTCOME
M18SW1	Advanced research methodology in social work	<ul style="list-style-type: none"> Remember basics of social research. Understanding and importance of research methodology in social work. Apply skills of research design and apply them in teaching, learning context and research. Analyze and compare and contrast different sampling methods in research Evaluate the applications and uses of quantitative and qualitative research. Creating technical technical knowledge on application of statistical software in research.

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M.Phil., Social Work		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
M18SW2	Contemporary social work :theory and practice	<ul style="list-style-type: none"> ▪ Understand the macro, and micro-level contexts changes in social work profession. ▪ Remembers adhere values and ethics of social work profession while practice ▪ Apply strengths, narrative, and solutions approaches to social work practice. ▪ Apply and familiarize the crisis Intervention approach during the crisis situation. ▪ Evaluate various approaches theories in social work intervention.
M18TLS3	Teaching and learning skills	<ul style="list-style-type: none"> ▪ Understand different parts of computer system and their functions, operations and use of computers and common Accessories. ▪ Remember skills of ICT and apply them in teaching learning context and research. ▪ apply ICT in teaching, learning , research and practice of communication skill with special reference to its elements, types, development , styles and usage of communication technology and computer mediated multimedia/e-content I their respective subject. ▪ Analyze the communication process through the web. ▪ Evaluate the knowledge of Instructional Technology and its Applications and develop different teaching skills for putting the content across to targeted audience.
	Dissertation	<ul style="list-style-type: none"> ▪ Remember the problem and phase of research. ▪ Understand the basic skills of preparing and submitting dissertation. ▪ Apply and develop skills of research design and apply them in research. ▪ Analyze the significance of research proposal and research report. ▪ Evaluate the applications and uses of quantitative and qualitative research.


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Department of Management Studies

M.B.A		
SEMESTER - I		
Course code	SUBJECT	COURSE OUTCOME
P16MBA1	Core - I Management concepts	<ul style="list-style-type: none"> ▪ To identify and apply appropriate management techniques for managing business. ▪ Students will be able to have clear understanding of managerial functions ▪ To understand the planning process in the organization. ▪ To know Have a conceptual knowledge about the planning and decision making ▪ To understand the concept of organization ▪ To know about the effective strategies for recruiting and selecting qualified job applicants ▪ To analysis isolate issues and formulate best control methods
P16MBA2	Core - II Managerial Communication	<ol style="list-style-type: none"> 1. To acquaint the students with basics of communication and help them to transform their communication abilities. 2. Understand the scope of communication and learn its importance and implication strategies. 3. To help the students to acquire some of the necessary skills to handle day-to-day managerial responsibilities. 4. To Recognize and learn the sub-skills of listening and speaking and be able to deliver effectively in the real time contexts. 5. To enable the students to augment their report writing skills. 6. To build the students' confidence and to enhance competitiveness by projecting a positive image of themselves and of their future.



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M.B.A		
SEMESTER - I		
Course code	Course code	Course code
P16MBA3	Core - III Mathematics & Statistics	<ol style="list-style-type: none"> 1. To create students to frequently used mathematical and basic statistical methods in business decision making. 2. To formulate a suitable statistical problem, obtain a solution and interpret important features of this solution in a business decision-making process. 3. To discrete and continuous probability distributions, including requirements, mean and variance, and making decisions. 4. Explain how to assess these techniques and use them when appropriate 5. Define binomial outcomes and compute probability of getting X successes in N trials. 6. Identify the characteristics of different discrete and continuous distributions. 7. Identify the type of statistical situation to which different distributions can be applied. 8. Use Poisson, exponential distributions to solve statistical problems..
P16MBA4	Core - IV Managerial Economics	<ol style="list-style-type: none"> 1. To know how to Relate the economic concepts in management and apply in the business decisions. 2. To know the circular flow of economic activity 3. To Understand how economics affect the business strategy of Companies in these industries. 4. To Assimilate and apply the laws of economics in the business. 5. To know how to Apply of Managerial economic principles to today's knowledge economy in the era of Digitalization

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M.B.A

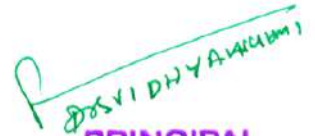
SEMESTER - I

Course code	Course code	Course code
P16MBA5	Core - V Organisational Behaviour	<ol style="list-style-type: none">1. To be able to understand and explain how individual differences – such as personalities, perceptions, attitudes, and ethics – affect employee performance and to describe how managers can capitalize on employee diversity.2. To assess the potential effects of organizational-level factors (such as structure, culture and change) on organizational behaviour.3. To apply different motivational theories and methods to increase the productivity and job satisfaction of employees4. To identify the characteristics of successful teams in order to function effectively as a team members and leaders and to Identify the processes used in communication and resolving conflicts5. To Gain insights on group dynamics and demonstrate skills required for team building6. To demonstrate how to make better decisions both individually and in a group.7. To Identify the various leadership styles and the role of leaders in a decision making process8. To Understand the process of organizational development and techniques used for the purpose9. To Research on the emerging developments in the field of organizational behavior10. To critically evaluate the potential effects of important developments in the external environment (such as globalization and advances in technology) on organisational behaviour.



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M.B.A**SEMESTER - I**

Course code	Course code	Course code
P16MBA6	Core - VI Management Accounting	<ol style="list-style-type: none">1.To understand the role of an accountant as a profession.2.To understand GAAP and able to prepare Accounts from incomplete records and able to prepare P&L a/c and Balance sheet according to companies act3.To understand various elements of cost.4.Able to prepare a Cost sheet.Understand, create and install Cost accounting systems.5.To understand the concept of overheads and its types.6.To analyse and determine allocation, apportionment and absorption in overheads.7.Able to understand the importance of controlling overheads .8.To understand basic principles, importance of Inventory valuation.9.Able to evaluate Inventory Valuation through Inventory methods.10.To understand marginal cost and marginal costing principles and its importance.11.Able to understand and determine CVP, Break Even and Margin of safety and able to apply the principles to make rational decisions.12.To understand budget and budgetary control concepts.13.Preparing and analysing Production, sales, cash and flexible budget.14.Able to apply and make better decisions using the tools.

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M.B.A**SEMESTER - II**

Course code	Course code	Course code
P16MBA7	Core - VII Operation Research	<ul style="list-style-type: none">▪ To impart knowledge in concepts and tools of Operations Research▪ To introduce the students to the advanced methods for large-scale transportation and assignment problem.▪ To Identify and develop operational research models from the verbal description of the real system.▪ To Develop a report that describes the model and the solving technique, analyze the results and propose recommendations in language understandable to the decision-making processes in Management.▪ To apply these techniques constructively to make effective business decisions
P16MBA8	Core - VIII Production Management	<ul style="list-style-type: none">▪ To Learn theories, Strategies and skills required for successful Production Management.▪ To Gain an understanding and appreciation of the principles and applications relevant to the planning, design, and operations of manufacturing▪ To Identify the importance of good plant location and layout▪ To demonstrate knowledge and insight into the various tools of production management▪ To develop the ability to identify operational methodologies to assess and improve an organizations performance.

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M.B.A		
SEMESTER - II		
Course code	Course code	Course code
P16MBA9	Core - IX Marketing Management	<ol style="list-style-type: none"> 1. To Understand the reality of market and its functional activities 2. Ability to take decisions and plan, develop, execute and control marketing strategies. 3. To Develop and implement integrated marketing strategies for products 4. To know the Work independently and collaboratively in inter and multidisciplinary and diverse Environments. 5. To Examine the role of consumers as purchasers and users of goods and services using Various theories and models of consumer behavior.
P16MBA10	Core - X Financial Management	<ul style="list-style-type: none"> ▪ Understand the theories of capital structure ▪ Understand the valuation and Rates of return in Investments. ▪ Understanding and Evaluating capital budgeting. ▪ Understand , analysing, determining Working capital. ▪ Understand, analysing and determining cash management, receivable management, and inventory management. ▪ Understand, analyse and determine the dividend policy for the growth of the company. ▪ Understanding and applying the CAPM in Investment decision. ▪ Able to understand and create financial modelling.


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M.B.A**SEMESTER - II**

Course code	Course code	Course code
P16MBA11	Core - XI Human Resource Management	<ul style="list-style-type: none">▪ Manage Employee Relations▪ Implement Flexible Work arrangement▪ Maintain harmonious Industrial Relations & solve Disputes▪ Design Human Resource Planning▪ Implement Recruitment & Selection through different sources & tests▪ Undertake Training and Development programs at different levels▪ Measure Employee Appraisal & provide Compensation▪ Analyze Performance feedback, & follow Performance Appraisal Methods▪ Link compensation with performance▪ Craft Career Plans
P16MBA12	Core - XII Research Methods in Management	<ul style="list-style-type: none">▪ Research Designs and Experimental Design.▪ To Demonstrate knowledge and understanding of data analysis and interpretation in relation to the research process▪ To Develop necessary critical thinking skills in order to evaluate different research analysis utilized▪ To know how to Expertise in report writing based on the research findings and identifies future direction for research.


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SEMESTER - III		
Course code	SUBJECT	COURSE OUTCOME
P16MBA13	Core - XIII Strategic Management	<ol style="list-style-type: none"> 1. Explain the importance, scope and concept of Strategy and Strategic Management Process 2. Differentiate between Tactics, Strategies and Planning and importance of each component in Strategic Management 3. Prepare Vision, Mission statements and define goals, objectives for organization 4. Identify Critical Success Factors. Key Performance Indicators and Key Result Areas for any given service sector 5. Demonstrate the importance of external environmental analysis as well prepare PESTLE Analysis and ETOP model for decision making 6. Apply the concepts of BCG matrix and GE9 cell matrix for Business Portfolio Analysis 7. Demonstrate the Porter's 5 Forces Model for Industry Environmental Analysis 8. Prepare Value Chain Analysis and identify the areas of concern affecting Customer Satisfaction 9. Explain the importance, Generic Strategies and its role in achievement of Corporate Strategies 10. Explain and identify the reasons for failure of Mergers and Acquisition 11. Explain the importance six sigma and lean six sigma from the point of view of Success of the Organization 12. Demonstrate the importance of Management by Objectives (MBO) and Total Quality Management (TQM) 13. Explain the meaning of triple bottom line, people planet-profits 14. To analyze the competitive situation and strategic dilemma in dealing with dynamic global business environment in terms of rapidly changing market trends and technological advancement To apply the developed conceptual skills gained in the corporate world insights. 15. To critically examine the management of the entire enterprise from the Top Management view .


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Course code	Course code	Course code
P16MBA14	Core - XIV Legal aspects of Business	<ol style="list-style-type: none"> 1. To provide the students with an understanding of fundamental legal issues pertaining to the business world to enhance their ability to manage businesses effectively. 2. To help the students to understand the basic rules of Agreements and Contracts along with the basic Rules of Offer, Acceptance, Consideration. 3. To understand While selling and purchasing goods the student will keep in mind the provisions of the Sale of Goods Act and Consumer Protection Act 4. To Understand consequences of applicability of various contract of Agency on business situations. 5. To comprehensively understand with basic legal formalities for incorporation of a company and different types companies that exist . 6. To be conversant with the basics of Memorandum of Association and Articles of Association to know scope and limitations of the company. 7. To acquaint students with general business law issues to help become more informed, sensitive and effective business leaders.


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SEMESTER - III		
Course code	Course code	Course code
P16MBA15	Core - XV Knowledge Management	<ol style="list-style-type: none"> 1. Understand the history, importance and concept of Knowledge management. 2. Understand the concept of Knowledge cycle 3. Understand the transformation of information to knowledge management and industry to knowledge economy 4. Understand and analyse the mechanics of knowledge management and knowledge management matrix 5. Understand the social nature of knowledge. Ability to understand and analyse knowledge sharing, organisational learning and social capital. 6. Understand the concept and ability to apply the knowledge application in Individual level, group level & organisational level 7. Understand the concept of knowledge strategy. 8. Ability to understand and apply knowledge audit, GAP analysis, Road Map, KM metrics, Balance Score Card to improve the performance of organisation. 9. Understanding the Knowledge management tools - capture & creation tools, sharing & dissemination tools, Acquisition & application tools and its application in industry. 10. Understand in creating a Knowledge management team, roles and responsibilities. 11. Able to analyse political issues, ethics , strategic issues in Knowledge Management. 12. Able to understand and visualise the future of knowledge management.

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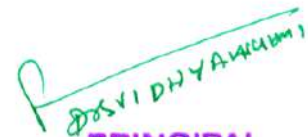
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M.B.A		
SEMESTER - III (Elective - HR)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA3EH1	Organisational Development	<ul style="list-style-type: none"> ▪ To understand the nature of the developmental process in organizations ▪ To comprehend the main derives Process and approaches. ▪ To Identify organizational situations that would benefit from OD interventions. ▪ To Analyze, implement activities within an organization and recommend suitable OD interventions. ▪ To Provide students with knowledge of Skills needed to develop an action plan for the organization development process.
P16MBA3EH2	Compensation Management	<ul style="list-style-type: none"> ▪ To Understand the meaning of Compensation ▪ To Know the role of Compensation management ▪ To know the Importance and purpose of Compensation management. ▪ To know the concept of Statutory, Bare or Basic Minimum Wage ▪ To understand Fair Wage ▪ To understand Living Wage and need-Based Minimum Wage ▪ To know the concept of Wage Level and Wage Rate ▪ To understand the concept of Wage Structure ▪ To know the Determinants of the wage structure. ▪ To Understand Executive Compensation Systems in Multinational Companies and IT companies. ▪ To identify various strategies and settlements.



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SEMESTER - III (Elective - Finance)		
Course code	Course code	Course code
P16MBA3EF3	Security Analysis &Portfolio Management	<ol style="list-style-type: none"> 1. Understand about Bonds, its return, risk, yield, and valuation. 2. Understand the concept of Interest Rate and Term Structure 3. Understand the concept of Derivatives. 4. Able to understand equity options and its application. 5. Able to understand the economic and industry analysis and its importance in finding the true value of a company 6. Understand the perspective, concepts, theories in valuation of Equity stocks. 7. Understand the concept of Index and its importance in Investment decisions. 8. Understand the concepts and importance of Company analysis, Technical analysis and Efficient Markets Hypothesis in Valuation of Equity stocks. 9. Understand the concepts and meaning of Portfolio Management. 10. Understand the concept of Modern Portfolio Theory (MPT) in constructing a portfolio. 11. Able to evaluate Portfolio performance and risk. 12. Understand the concept of Futures and options and its importance and applications while building a Portfolio.

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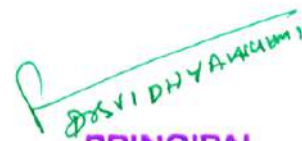
SEMESTER - III (Elective - Finance)

Course code	SUBJECT	COURSE OUTCOME
P16MBA3EF1	Strategic Financial Management	<ol style="list-style-type: none"> 1. Understand Financial policy and Strategic Planning. 2. Understanding Financial Plan and Models, 3. Understand the concepts of Financial Management from a strategic perspective. 4. Understand and evaluate Investment decisions under Risk and Uncertainty. 5. Understand the concept of corporate expansion and Financial Restructuring. 6. Understand stock exchanges, its constitution, control, functions. 7. Understanding SEBI, its regulations, Investor services and Grievance redressal mechanism. 8. Understand the pros and cons of various securities available for companies to raise capital.
P16MBA3EF2	Financial Services	<ol style="list-style-type: none"> 1. Understand the Indian Financial System, its evolution and its participants. 2. Understanding the revenue models of Banking, Non-Banking and Financial Institutions. 3. Understand the concept of Equipment Leasing, its legal, tax and accounting procedures. 4. Understand the concept of Hire Purchase, its Legal, tax and accounting procedures. 5. Understand the concept of Consumer credit. 6. Understand the structure of Capital Market and Money Markets and be able to know the practical knowledge of accessing it. 7. Understand the stock exchanges in India and its workings 8. Understand the regulation of NSE, BSE, OTCEI and regional exchanges.



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SEMESTER - III (Elective - Marketing)

Course code	SUBJECT	COURSE OUTCOME
P16MBA3E M1	Consumer Behaviour	<ul style="list-style-type: none"> ▪ To introduction to the study of Consumer Behaviour ▪ To know about the individual Influences on Consumer Behaviour ▪ To identify Social & Cultural Setting and Consumer Influence and Diffusion of Innovations ▪ To identify and Evaluate Decision making process ▪ To know about Consumer Behaviour in the network era and Alternative views on Consumer behavior
P16MBA3E M2	Business to Business Marketing	<ul style="list-style-type: none"> ▪ To know the concept, applications, challenges and the dynamic environment of B2B marketing, including the unique nature of organizational buying behavior ▪ To gain knowledge ▪ To Demonstrate the uses of the marketing mix elements in a B2B corporate strategy ▪ To Increased skill-set in the domain of pricing, strategic planning, Distribution, decision-making, problem-solving, and sales management ▪ To apply a range of analytical skills through the interpretation of data and information to solve business to business issues
P16MBA3E M3	Sales and Distribution Management	<ol style="list-style-type: none"> 1. To Study the management functions that go into sales management 2. To Identify the major elements needed to improve the marketing of services 3. To Understand the forecasting and its applications in cost. 4. To study the Design a distribution channel for a particular product or service. 5. Understand to resolve the channel conflicts.

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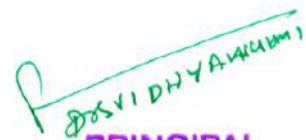
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M.B.A		
SEMESTER - III (Elective - HR)		
Course code	Course code	Course code
P16MBA3EH3	Change Management	<ol style="list-style-type: none"> 1. Managing effective change. Recognizing change patterns within organizations. 2. Identifying a change problem and the possible solutions. Examining and increasing awareness of the critical role of the leader in any change process. 3. Creating a change management plan that includes all stages of change and the challenges of initiating and sustaining transformation 4. Identifying resistors and ways of dealing with them when implementing a change. 5. Acquiring a larger repertoire of leadership behavior 6. Demonstrating knowledge of ethical considerations while leading organizational change.
SEMESTER - III (Elective - System)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA3ES1	E- Business	<ol style="list-style-type: none"> 1. To provide an understanding of e-business applications in today's organizations 2. To understand various E business models 3. Understand Online payment methods. 4. To learn various E Marketing strategies. 5. Understand the legal and ethical issues related to protection of IPR in Online business 6. Understand the mobile commerce and its relevance for business. 7. Understand M-commerce framework and Mobile business models 8. Understand mobile communication systems and standards 9. Learn about various M banking technologies and Mobile payment systems.



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M.B.A		
SEMESTER - III (Elective - System)		
Course code	Course code	Course code
P16MBA3ES2	Internet Technologies	<ol style="list-style-type: none"> 1. Identify the different types of network topologies and protocols 2. Understand web technologies, web design and HTML fundamentals. 3. Understand the concept of client 4. application development, Identify the knowledge about functions, variables , structures in Java script and VB script. 5. To get knowledge about Web servers, browsers and Web architecture. 6. Understand the importance of Computer security and Identify and analyse the risk and determine the security tools to protect the network. 7. To get knowledge about dynamic HTML, EML, WML, VRML, WAP, VOIP and understand the functions of COM and Java beans.
P16MBA3ES3	Management Information Systems	<ol style="list-style-type: none"> 1. Understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision making. 2. Analyze and synthesize business information and systems to facilitate evaluation of strategic alternatives. 3. Reproduce a working knowledge of concepts and terminology related to information technology 4. Analyze how information technology impacts a firm 5. Illustrate the impact of information systems in society


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SEMESTER - III (Elective - Operations)		
Course code	Course code	Course code
P16MBA3EO2	Advanced Operation Research	<ul style="list-style-type: none"> ▪ To Understand and apply different algorithms for solving goal or integer programming, nonlinear programming problems. ▪ To construct models and discuss the solution with techniques. ▪ To analyze the general nonlinear programming problems. ▪ To solve multi-level decision problems using dynamic programming method. ▪ To use Network Models to solve decision models.
P16MBA3EO3	Management Control Systems.	<ol style="list-style-type: none"> 1. To know how to control organization through phases of control system. 2. To understand the goals and strategies by using various key areas. 3. To apply the key principles and tools illustrated throughout the course (e.g., (organizational control mechanisms, Management By Objectives and compensation systems, transfer prices, design of management control systems). 4. Critically interpret the information processed and produced by management control systems, formulating independent judgments, also in case of limited information and in complex environments. 5. To analyze and communicate clearly and the conclusions gained from the interpretation of the information processed and produced by management control systems, so as to support organizational decision-making with appropriate arguments. 6. To evaluate in advance that management control systems studies should be mostly self-directed and autonomous way.


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SEMESTER - III (Elective - Operations)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA3EO1	Supply Chain Management	<ol style="list-style-type: none"> 1. To understand effective internal and external relationships using influencing, communication and consultative skills. 2. Evaluate of dynamic global business environment from a competitive and economic perspective. 3. Knowledge on self-leadership strategies which enhances personal and professional effectiveness. 4. To assess business processes relative to organizational goals. 5. To correlate key responsibilities and interrelationships of all stakeholders in an organization's supply chain. 6. To configure supply chain for an organization from a global perspective that accounts for commercial, social and legal implications. 7. To know the methods of Optimization of the value to customers, markets, and other stakeholders through the application of standard frameworks and models, which encompass supply chain process analysis and innovation. 8. Demonstrate to Minimize functional Cost perspective, Maximize Company Profit perspective 9. Explain logistics outsourcing activities, its concept & types of 3PL, 4PL, need for collaborative relationships 10. Prepare the CRP, DRP, and MRP-II for the given situation and explain importance of it in productivity of organization 11. Apply the concepts of service strategy development, service delivery systems, service location & layout 12. Explain the importance Green and Ethical Supply Chain Management in the perspective of Globalization

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M.B.A

SEMESTER - III (Elective - Operations)

Course code	Course code	Course code
P16MBAMS	Core- Managerial Skills	<ol style="list-style-type: none"> 1. Understand various managerial skills, roles, functions and levels. 2. Realise that individuals are different and the various factors that shape personality 3. Understand the characteristics of perciever and percieved that influence perception 4. Identify and overcome perceptual errors 5. Gain knowledge of lateral thinking and contemporay structural designs becoming lateral leaders. 6. Understand how various elements help in shape organisational culture. 7. Identifying various negotiation techniques through the knowledge of negotiation skills. 8. Identifying various leadership styles and their suitability to the situation.

SEMESTER - IV

Course code	SUBJECT	COURSE OUTCOME
P16MBA16	Core - XVI International Business Environment	<ul style="list-style-type: none"> ▪ To identify and evaluate the complexities of international business and globalization from home versus host country, and regional, cultural perspectives ▪ To study the benefits of FDI and cost of globalization ▪ To Apply the trade theories, investment theories, exchange rate theories, regional trading bloc theories, and their impact on economic welfare ▪ To study the various exchange rate regimes and their respective advantages and disadvantages ▪ To understanding about the various constituents of global business environment


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SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16MBA17	Core - XVII Entrepreneurial Development	<ol style="list-style-type: none"> 1. To understand basic concepts in the area of entrepreneurship, understanding the role and importance of entrepreneurship for economic development, developing personal creativity and entrepreneurial initiative 2. To adopt of the key steps in the elaboration of business idea. 3. To understand the stages of the entrepreneurial process and the resources needed for the successful development of entrepreneurial ventures. 4. identify the elements of success of entrepreneurial ventures. 5. To consider the legal and financial conditions for starting a business venture. 6. To evaluate the effectiveness of different entrepreneurial strategies 7. To specify the basic performance indicators of entrepreneurial activity. 8. To explain the sources of institutional finance for small and large businesses venture.

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MBA		
SEMESTER - IV		
Course code	SUBJECT	COURSE OUTCOME
P16MBA18	Core - XVIII Total Quality Management	<ol style="list-style-type: none"> 1. To understand the fundamental principles of Total Quality Management. 2. To critically appraise management techniques, choose appropriate statistical techniques for improving processes and write reports to management describing processes and recommending ways to improve them. 3. To develop the ability in research that will allow them to keep abreast of changes in the field of Total Quality Management. 4. To know prerequisites of evolution of total quality management and significance of quality gurus' works to the management of modern organizations. 5. To know business excellence models and be able assess organization's performance making reference to their criteria 6. Apply Statistical Quality Control like process capability, Six Sigma quality, Process control , p charts and c charts, Process control for variables, X bar R chart
SEMESTER - IV (Elective - Marketing)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4E M4	Advertising and Sales Promotion	<ol style="list-style-type: none"> 1. To understand of the overall role advertising plays in the business world. 2. To understand the current market situation on marketing and advertising related aspects through In house Project exposure to the functional aspects of Advertising Agencies 3. To Identify and understand the various advertising media. 4. To understand integrated marketing communications with a non-integrated approach 5. To Identify sales promotion, public relations, personal selling in the promotion mix

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MBA		
SEMESTER - IV (Elective - Marketing)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4E M5	Marketing of Services	<ol style="list-style-type: none"> 1. To understand the functioning of Service System 2. To study and understand various types of services 3. To Demonstrate analytical skills to address relevant issues relating to services industry 4. To understand about demand and supply relevance of the services Industry 5. To Study emerging service sectors in India.
P16MBA4E M6	Retail Management	<ul style="list-style-type: none"> ▪ To Understand and learn retail business and identify its working mechanisms ▪ To understand the ways that retailers use marketing tools and techniques to interact with their customers ▪ To understand the various constituents of retail strategy ▪ To comprehend the ways retailers use marketing tools and techniques to interact with their customers. ▪ To Understand various formats of Develop and sustain a competitive advantage in retail sector.
SEMESTER - IV (Elective - Finance)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4EF4	Project Management	<ol style="list-style-type: none"> 1. Understand the concept of Project Management, Types, Project life cycle. 2. Understand the role of project manager and Project Management as a profession. 3. Understand and able to evaluate various factors in project Identification and Project formation. 4. Understand the concept and application of project methodology, Market, Technical, financial, socio-economic and management appraisal in appraising the Project. 5. Understand the concept and application of Project Planning and Scheduling. 6. Understand the concepts and importance of Project Execution and Administration in successfully completing a project.


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MBA		
SEMESTER - IV (Elective - Finance)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4EF5	Global Financial Management	<ol style="list-style-type: none"> 1. Understand the concept of Globalisation. 2. Understand the workings of the International Monetary System. 3. Understand the functions of IMF, WTO 4. Understand, analyse, Interpret Balance of Payments. 5. Analyse and Interpret Balance of Payments of India & World. 6. Understand the structure of International Financial Markets and different debt, equity, money market instruments available to corporates and investors. 7. Understand, analyse and be able to solve the currency and exposure risk faced by MNCs. 8. Understand the concepts and implications of Foreign Direct Investment.
P16MBA4EF6	Merchant Banking	<ol style="list-style-type: none"> 1. Understand Indian Financial System and Merchant Banking in India, its function, structure, legal and Regulatory frameworks. 2. Understand the roles of Merchant Banker in designing capital structure, Issue pricing and all other services related to companies to go public. 3. Understand the role of Merchant bankers in Mergers and Acquisitions. 4. Understand the functions of Portfolio Management service, credit syndication, credit rating. 5. Understand the concept of Mutual funds, its structure, regulatory guidelines for Mutual fund industry and various types of mutual funds 6. Understanding the meaning and types of Insurance. 7. Understanding the functions of Credit rating agencies and its ratings to financial instruments.

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SEMESTER - IV (Elective - HR)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4EH4	Public Relations Management	<ol style="list-style-type: none"> 1. To create awareness and comply with law and regulations in the field of public relations, advertising. 2. Develop and apply methods and techniques about stakeholders' appropriate communication strategy, taking into account differences in needs or development. 3. Develop positive attitudes and behaviour towards lifelong learning. 4. Recognize and adapt to communication style of different cultures. 5. Comply with social, scientific, professional and ethical values in the stages of data collection, interpretation, introduction and implementation of the related field.
P16MBA4EH5	Managing Interpersonal Effectiveness	<ol style="list-style-type: none"> 1. To recognise the importance of interpersonal skills 2. To describe how good communication with other can influence our working relationships 3. To outline the roles we play in our work groups and teams. 4. By implementing theoretical perspectives to bring change in attitudes. 5. To analyse stress factors of working women and finding solution to improve quality of work life.
P16MBA4EH6	Group Dynamics	<ol style="list-style-type: none"> 1. To learn the framework of Team Dynamics 2. To learn the conflict types in teams and decision making in Teams. 3. To understand the interpersonal orientation in Teams. 4. Learn the communication and negotiation skills in teams. 5. Analyze the complexities associated with management of the group behavior in the organization. 6. Know how to resolve conflicts in team and build collaboration. 7. To achieve integration in group by preventing conflict. 8. Develop a personal philosophy of working with individuals in a group that respects human diversity.


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SEMESTER - IV (Elective - System)

Course code	SUBJECT	COURSE OUTCOME
P16MBA4ES4	Software Project Management	<ul style="list-style-type: none">▪ To Understand the fundamental principles of software project management & have a good knowledge of responsibilities▪ To apply the knowledge in an effective manner for implementation of Strategies, Designing, communicating and solving issues.▪ To Development of a project plan and Data base using as input estimation data▪ To familiar with the different methods and techniques used for Software project management.▪ To Apply different estimation methods and Technology.
P16MBA4ES5	Relational Database Management System	<ol style="list-style-type: none">1. To apply the concepts of collecting data, organizing the data in the systematic form ,arranging the data in a computational way.2. To demonstrate a rudimentary understanding of programmatic interfaces to a database and be able to use the basic functions of one such interface.3. To design the ER diagrams as well as interpret the Design of database4. To demonstrate an understanding of the relational data model.5. To Formulate solutions to a broad range of query problems, using relational algebra and SQL6. To demonstrate an understanding of normalization theory and to apply such knowledge to the normalization of a database.7. To create, populate, maintain, and query a database using an SQL interface of a multi-user relational DBMS package

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SEMESTER - IV (Elective - System)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4ES6	Object Oriented Programming & C++	<ul style="list-style-type: none"> ▪ To ability to incorporate handling in object-oriented programs ▪ To Detailed architecture, define objects, load data, query data and performance tune databases ▪ To analyze and model software specifications, Ability to abstract object-based views for generic software systems. ▪ To learn the fundamental programming concepts and methodologies which are essential to building good C/C++ programs. ▪ To learn uses of polymorphism and names special functions.
SEMESTER - IV (Elective - Operations)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4EO4	Material Management	<ol style="list-style-type: none"> 1. To illustrate the role and cope of materials management in organization 2. To acquaint students with the strategic aspects, structure, and organization of • purchasing. 3. To explain the characteristics of a sound purchasing decision which includes • quality, quantity, time, source, and price. 4. To elaborate the key characteristics of specialized purchasing aspects such as • negotiation, make or buy, outsourcing, and buy commodities, capital goods, for resale, and finally for government and public service organization. 5. To teach students the major aspects of inventory control and warehousing to • insure a steady supply of materials to meet the needs of the organization

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MBA		
SEMESTER - IV (Elective - Operations)		
Course code	SUBJECT	COURSE OUTCOME
P16MBA4EO5	Lean Manufacturing	<ol style="list-style-type: none"> 1.To Demonstrate an understanding of the concepts of lean Manufacturing 2.Define what Lean Management is and why its important to learn. 3.Define Total Productive Maintenance. 4.Apply World Class Manufacturing (WCM) techniques to effect continuous improvement. 5.Solve the case studies by applying the concept of Lean supply chain 6. Plan process and resources for manufacturing with the aid of information technology
P16MBA4EO6	World Class Manufacturing	<ol style="list-style-type: none"> 1. Understand recent trends in manufacturing. 2. Demonstrate the relevance and basics of World Class Manufacturing and understand the concepts of MRP. 3. Understand customization of product for manufacturing and to know operation scheduling process. 4. Understand the implementation of JIT and other new technologies. 5. To know the concepts productive maintenance and to Compare the existing industries with WCM industries.
P16MBAPW	Core - Project Work	<ol style="list-style-type: none"> 1. To Acquire on job the skills, knowledge, attitudes, and perceptions along with the experience needed to constitute a professional identity. 2. To get actual supervised professional experiences 3. To Gain deeper understanding in specific areas. 4. To Develop Research aptitude 5. To Prepare project report with assigned topics

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